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# Selected Forestry Statistics Canada 1986

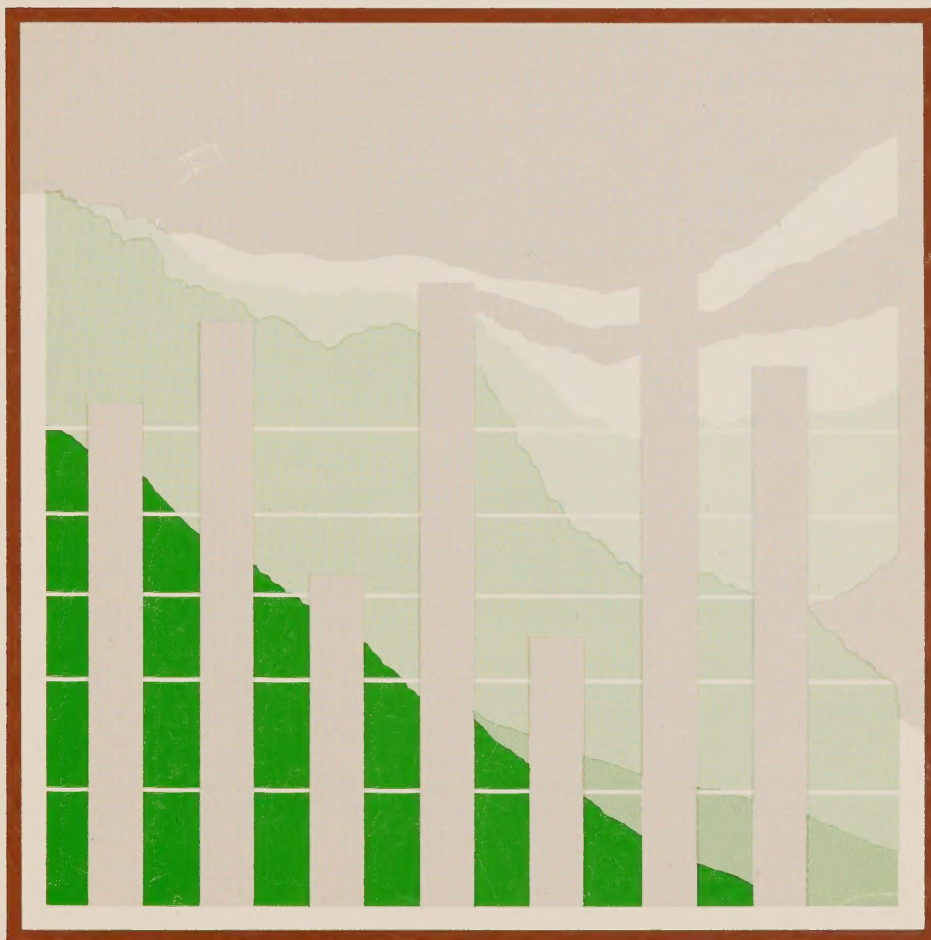
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CA1  
EP23  
-E11

Information Report E-X-38

Economics Branch, Canadian Forestry Service Headquarters



**THE CANADIAN FORESTRY SERVICE  
GOVERNMENT OF CANADA**

The Canadian Forestry Service is the principal source of federal expertise in forestry and has been designated as the government's lead agency for forestry matters. Its general objective is to promote the wise management and use of Canada's forest resources for the economic, social, and environmental benefit of Canadians.

The following are the main functions of the CFS:

1. Coordination of federal policies, for the promotion of better resource management and forest industry development.
2. Provision of scientific and technological leadership in forestry through research and development.
3. Provision and analysis of national and international statistics and information as a basis for policy formulation.
4. Development and certification of codes and standards for wood product performance.
5. Protection of Canada's forests from foreign pests.
6. Fostering the potential use of the forest resource for energy.
7. Contributing to the environmental objectives of the Government of Canada.

Canadian Forestry Service programs are coordinated with those of other forestry agencies through a variety of mechanisms, including the Canadian Council of Forestry Ministers, the Forest Sector Strategy Committee, management committees for Federal-Provincial Forestry Development programs, national and regional Research Advisory Committees, and various technical committees for specific program areas.

The Canadian Forestry Service is comprised of a headquarters unit, six forestry centres, and two national institutes. The forestry centres are responsive to regional priorities and maintain close liaison with the respective provincial government forestry departments and other clients. They also participate in, and frequently lead, national programs. The national institutes provide the focus for programs of national scope.

**FORSTATS: FOREstry STATisticS**

The FORSTATS program provides current statistical information on Canada's forest resources, including periodic descriptions and analyses of forest inventory and growth; insect, disease, and fire losses; nursery production and silvicultural practice; and social and economic conditions.

FORSTATS involves the direct participation of the Canadian Forestry Service Headquarters in Ottawa, the FORSTATS project at the Petawawa National Forestry Institute at Chalk River, Ont., Pacific Forestry Centre in Victoria, B.C., Northern Forestry Centre in Edmonton, Alberta, Great Lakes Forestry Centre in Sault Ste. Marie, Ont., Laurentian Forestry Centre in Sainte-Foy, Quebec, Canadian Forestry Service - Maritimes in Fredericton, N.B., Newfoundland Forestry Centre in St. John's, Nfld., the Forest Pest Management Institute in Sault Ste. Marie, Ont., and other federal agencies. The FORSTATS program would not be possible without the cooperation of provincial agencies and the forest industry in providing data.



# SELECTED FORESTRY STATISTICS CANADA 1986

ECONOMICS BRANCH  
CANADIAN FORESTRY SERVICE  
GOVERNMENT OF CANADA

JUNE 1987

© Minister of Supply and Services Canada 1987

Cat. No. Fo29-7/38E

ISBN 0-662-15493-2

ISSN 0834-938X

Copies of this publication may be obtained at no charge from the following address:

Canadian Forestry Service  
Place Vincent Massey, 3rd Floor  
Hull, Quebec  
K1A 1G5

A microfiche edition of this publication may be purchased from:

Micromedia Ltd.  
158 Pearl Street  
Toronto, Ontario  
M5H 1L3

Cette publication est disponible en français sous le titre Recueil de statistiques forestières canadiennes 1986.



## ABSTRACT

"Selected Forestry Statistics, Canada 1986" contains a series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data have been added to complete the picture.

Over 115 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from imperial to metric measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

As a result of a mini-survey made to evaluate the content of the publication, some tables and figures were added, modified, or relocated. A listing comparing table numbers used in 1986 and 1985 is available on page VI.

A special effort has been made to compare forestry figures with agriculture, fishing, mining, and energy. This exercise has been completed in consultation with specialists from the other departments involved. The methodology used is available on request.

Information given at the beginning of the relevant sections highlights the changes which occurred in 1986.

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## RÉSUMÉ

Le Recueil de statistiques forestières canadiennes pour l'année 1986 porte sur les ressources forestières au Canada et sur les activités connexes d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Plus de 115 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications diffuses. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures impériales en mesures métriques et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter l'extraction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'organisation des Nations Unies pour l'alimentation et l'agriculture.

Suite à une petite enquête visant à évaluer le contenu de la publication, quelques tableaux et figures ont été ajoutés, modifiés ou relocalisés. Une liste comparant les numéros de tableaux de 1986 à ceux de 1985 est disponible en page VI.

Un effort spécial a été fait afin de comparer les chiffres pour la foresterie à ceux pour l'agriculture, les pêcheries, les mines et l'énergie. Ce travail a été complété en consultation avec les spécialistes des ministères concernés. La méthodologie utilisée est disponible sur demande.

Les renseignements fournis au début des sections soulignent les changements survenus en 1986.

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## CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from imperial measure to metric.

Description	Imperial (English) measure	Conversion factor (multiply by)	Metric measure
Bolts	cord	2.406 9	m <sup>3</sup>
Flooring	MBF (thousand board feet)	2.359 74	m <sup>3</sup>
Logs	MBF (thousand board feet)	4.53	m <sup>3</sup>
Logs, pulpwood	cunits	2.831 68	m <sup>3</sup>
Lumber	MBF (thousand board feet)	2.359 74	m <sup>3</sup>
Newsprint and paper and paperboard	short ton	0.907 185	t
Newsprint and paper and paperboard	CWT (hundredweights)	0.045 36	t
Particleboard	sq ft 5/8 (square foot 5/8")	0.001 47	m <sup>3</sup>
Plywood - softwoods	sq ft 3/8 (square foot 3/8")	0.000 884 9	m <sup>3</sup>
- hardwoods	sq ft 1/4 (square foot 1/4")	0.000 589 9	m <sup>3</sup>
Pulpwood - peeled	cord	2.690 10	m <sup>3</sup>
- unpeeled	cord	2.406 93	m <sup>3</sup>
- total	cord	2.406 93	m <sup>3</sup>
Railway ties	number	0.038 X 2.359 74	m <sup>3</sup>
Shingles and shakes	rfsq (roof squares)	9.290 304	m <sup>2</sup>
Veneer - softwoods	sq ft (square foot)	0.000 295	m <sup>3</sup>
- hardwoods	sq ft (square foot)	0.000 116	m <sup>3</sup>
Wood chips	ton (short tons)	0.907 185	t
Wood pulp	CWTAD (hundredweights air dry)	0.045 36	t

## KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

...	figures not appropriate or not applicable
..	figures not available
-	nil or zero
--	amount too small to be expressed
p	preliminary figures
x	confidential to meet secrecy requirements under the Statistics Act
e	estimated
n.e.c.	not elsewhere classified

## LISTING COMPARING TABLE NUMBERS USED IN 1986 AND 1985

1986	1985	1986	1985	1986	1985
I-1	I-1	III-6	-	IV-26	IV-24
I-2	I-2	III-7	-	IV-27	IV-25
I-3	I-3	III-8	III-8	IV-28	IV-26
I-4	I-9	III-9	III-9	IV-29	IV-27
I-5	I-6	III-10	III-14	IV-30	IV-28
I-6	I-7	III-11	III-15		
I-7	I-8	III-12	-	V-1	V-1
I-8	I-10	III-13	-	V-2	-
I-9	I-11	III-14	III-10	V-3	V-2
I-10	-	III-15	III-11	V-4	V-3
I-11	-	III-16	III-12		
I-12	I-4, I-5	III-17	III-13	VI-1	VI-1
		III-18	III-16	VI-2	VI-2, VI-3
		III-19	III-17		
II-1	II-1	III-20	III-3	VII-1	VII-1
II-2	II-2	III-21	III-4	VII-2	VII-3
II-3	II-11			VII-3	VII-2
II-4	-	IV-1	IV-1	VII-4	VII-4
II-5	-	IV-2	IV-2	VII-5	VII-5
II-6	II-4	IV-3	IV-3	VII-6	VII-6
II-7	II-3	IV-4	IV-4	VII-7	VII-7
II-8	II-13	IV-5	IV-5	VII-8	VII-8
II-9	II-12	IV-6	IV-6		
II-10	-	IV-7	IV-7	VIII-1	VIII-1
II-11	-	IV-8	IV-8	VIII-2	VIII-2
II-12	II-5	IV-9	II-9	VIII-3	VIII-3
II-13	II-6	IV-10	II-10		
II-14	II-14	IV-11	IV-9	IX-1	IX-1
II-15	-	IV-12	IV-10	IX-2	IX-2, IX-3
II-16	II-8	IV-13	IV-11	IX-3	IX-4
II-17	II-7	IV-14	IV-12	IX-4	IX-5
II-18	II-14	IV-15	IV-13	IX-5	IX-6
II-19	-	IV-16	IV-14	IX-6	IX-7
II-20	-	IV-17	IV-15	IX-7	IX-8
II-21	II-15	IV-18	IV-16	IX-8	IX-9
II-22	-	IV-19	IV-17	IX-9	IX-10
II-23	-	IV-20	IV-18	IX-10	IX-11
		IV-21	IV-19	IX-11	IX-12
III-1	III-1	IV-22	IV-20	IX-12	IX-13
III-2	III-5	IV-23	IV-21	IX-13	IX-14
III-3	III-7	IV-24	IV-22	IX-14	IX-15
III-4	III-6	IV-25	IV-23		
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## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986

<b>1. Land area, 1981</b>	<b>916.7 million ha</b>			
Inventoried forest land	342.5			
Inventoried productive forest land	220.2			
Agricultural land	65.9			
<b>2. Ownership of inventoried forest land, 1981</b>	<b>342.5 million ha</b>			
Provincial Crown	67%			
Federal Crown	27%			
Private	6%			
<b>3. Ownership of inventoried productive forest land, 1981</b>	<b>220.2 million ha</b>			
Provincial Crown	80%			
Federal Crown	12%			
Private	8%			
<b>4. Silviculture</b>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>
Area harvested	871 728	891 435	815 415	776 638 ha
Area of site preparation	184 350	196 565	196 228	219 952
Area planted	141 730	152 585	174 124	192 278
Area directly seeded	38 385	65 007	42 593	50 309
Area stand tending	82 943	120 179	122 993	117 647
Area of pest control	2 259 611	2 152 167	2 444 922	3 189 045
<b>5. Fire</b>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>
No. of fires	8 941	8 930	9 217	9 357
Area burned	1 697 591	1 194 175	635 318	757 260 ha
Value lost	\$196 579	\$101 375	\$82 573	\$ 78 424 thousand
Fire fighting costs	\$141 565	\$100 581	\$85 474	\$136 140 thousand
<b>6. Forest insect and disease conditions, 1977-1981</b>	<b>107.4 million m<sup>3</sup></b>			
Average annual mortality volume	60.1			
Growth reduction	22.3			
Wood destruction	25.0			
<b>7. Forest management expenditures</b>	<u>1979</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
<b>\$ 871.6    \$1 247.7    ..    \$1 247.8 million</b>				
Provincial	490.5	785.6	820.0	783.9
Federal	103.2	142.6	150.8	183.6
Industry	278.0	319.5	..	280.3
Silviculture	\$ 164.5	\$ 272.3	..	\$ 335.9 million
Forest protection	157.8	311.6	..	241.6
Access roads	284.7	265.3	..	229.6
Research	40.0	56.4	..	77.2
Other	224.6	342.1	..	363.5

## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986 (CONT'D)

<b>8. Federal-provincial agreements, 1985-1986</b>	<b>\$142 948</b>	<b>thousand</b>			
Provincial	67 133				
Federal	75 814				
Site preparation and regeneration	80 789				
Other silviculture treatments	27 716				
Forest protection	1 918				
Research and forest extension	25 354				
Other activities	7 172				
	<u>1982</u>	<u>1983</u>	<u>1984</u>		
<b>9. Roundwood production</b>	<b>127.0</b>	<b>156.9</b>	<b>167.5</b>	<b>million m<sup>3</sup></b>	
Atlantic provinces	9%	9%	9%		
Quebec	23%	23%	22%		
Ontario	16%	15%	17%		
Prairie provinces	8%	7%	8%		
British Columbia	44%	46%	44%		
Species mix					
Softwoods	91%	92%	92%		
Hardwoods	9%	8%	8%		
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
<b>10. Lumber production</b>	<b>36.8</b>	<b>48.7</b>	<b>49.0</b>	<b>53.9</b>	<b>million m<sup>3</sup></b>
Atlantic provinces	3%	4%	4%	4%	
Quebec	17%	18%	18%	18%	
Ontario	10%	8%	9%	10%	
Prairie provinces	7%	7%	6%	7%	
British Columbia	63%	63%	63%	61%	
Species mix					
Softwoods	97%	98%	97%	97%	
Hardwoods	3%	2%	3%	3%	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
<b>11. Wood pulp production</b>	<b>18.5</b>	<b>20.2</b>	<b>20.5</b>	<b>20.5</b>	<b>million t</b>
Atlantic provinces	14%	14%	16%	..	
Quebec	34%	32%	32%	31%	
Ontario	20%	21%	21%	21%	
Prairie provinces	5%	5%	5%	..	
British Columbia	27%	28%	26%	29%	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
<b>12. Basic paper and paperboard production</b>	<b>12.5</b>	<b>13.5</b>	<b>14.4</b>	<b>14.8</b>	<b>million t</b>
Quebec	46%	44%	44%	43%	
Ontario	25%	26%	26%	26%	
British Columbia	15%	16%	15%	17%	
All other provinces	14%	14%	15%	14%	

## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986 (CONT'D)

	1982	1983	1984	1985	
<b>13. Shipments</b>					
Roundwood	86.4	98.7	102.4	..	million m <sup>3</sup>
Lumber - total	35.1	44.8	46.8	..	million m <sup>3</sup>
- softwoods	34.6	44.1	46.1	..	million m <sup>3</sup>
Wood pulp	7.0	8.2	8.4	8.8	million t
Paper and paperboard - total	12.1	13.0	14.1	14.3	million t
- newsprint	7.7	8.4	9.0	9.0	million t
	1982	1983	1984	1985	
<b>14. Exports of forest products</b>	\$ 12 101	\$ 13 218	\$ 15 734	\$ 16 227	million
Lumber - total	2 913	3 965	4 257	4 595	
- softwoods	2 847	3 896	4 182	4 524	
Wood pulp	3 221	3 049	3 906	3 394	
Paper and paperboard - total	5 114	5 098	6 201	6 879	
- newsprint	4 086	3 956	4 784	5 407	
Other forest products	853	1 106	1 370	1 359	
	1982	1983	1984	1985	
<b>15. Exports of forest products by region of loading (1982-1983), origin (1984-1985)</b>	\$ 12 101	\$ 13 218	\$ 15 734	\$ 16 227	million
Atlantic provinces	11%	9%	11%	10%	
Quebec	27%	25	25	26	
Ontario	20	21	21	21	
Prairie provinces	4	4	4	4	
British Columbia	38	41	39	39	
	1982	1983	1984	1985	
<b>16. Balance of trade, net flow</b>	\$+16 674	\$+15 005	\$+16 924	\$+14 327	million
Forest products	+10 886	+11 620	+13 828	+14 256	
Farm products	+ 3 748	+ 3 907	+ 3 894	+ 2 457	
Fish products	+ 1 591	+ 1 563	+ 1 108	+ 1 351	
Metals and minerals	+ 6 787	+ 6 302	+ 8 245	+ 7 891	
Energy	+ 6 676	+ 8 226	+10 383	+12 082	
Chemicals and fertilizers - minerals	+ 996	+ 1 004	+ 1 163	+ 876	
Chemicals and fertilizers - non minerals	- 1 195	- 1 632	- 1 940	- 1 840	
Textiles	- 972	- 1 240	- 1 432	- 1 570	
Machinery	- 3 102	- 2 754	- 3 672	- 4 726	
Transportation and automotive products	+ 2 240	+ 1 284	+ 2 506	+ 529	
Other products	-10 981	-13 275	-17 159	-16 979	
	1981	1982	1983	1984	
<b>17. Employment in forest industries</b>	292	255	262	270	thousand
Logging	48	40	46	51	
Wood industries	113	97	102	103	
Paper and allied industries	131	118	114	116	



## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986 (CONCLUDED)

	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	
<b>18. Value of shipments of goods</b>	<b>\$ 28 601</b>	<b>\$ 25 424</b>	<b>\$ 29 326</b>	<b>\$ 32 809</b>	<b>million</b>
Logging	4 430	3 995	4 909	5 364	
Wood industries	8 442	7 168	9 406	9 973	
Paper and allied industries	15 729	14 261	15 011	17 472	
	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	
<b>19. Value added, total activity</b>	<b>\$ 12 295</b>	<b>\$ 10 234</b>	<b>\$ 12 065</b>	<b>\$ 13 734</b>	<b>million</b>
Logging	1 883	1 650	2 152	2 191	
Wood industries	3 447	2 708	3 993	4 051	
Paper and allied industries	6 965	5 876	5 940	7 492	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
<b>20. Corporate income taxes paid by the forest industries</b>	<b>\$ 169</b>	<b>\$ 180</b>	<b>\$ 235</b>	<b>\$ 241</b>	<b>million</b>
Federal income taxes	110	118	135	135	
Provincial income taxes	59	62	100	106	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985<sub>p</sub></u>	
<b>21. Capital and repair expenditures</b>	<b>\$ 3 766</b>	<b>\$ 2 983</b>	<b>\$ 3 438</b>	<b>\$ 4 423</b>	<b>million</b>
Logging	403	473	541	529	
Wood industries	586	621	701	724	
Paper and allied industries	2 777	1 889	2 196	3 170	
	<u>1982</u>	<u>1983</u>	<u>1984</u>		
<b>22. Forest industries contribution to Canadian gross domestic products</b>	<b>2.9%</b>	<b>3.2%</b>	<b>3.1%</b>		
Atlantic provinces	x	x	x		
Quebec	3.8%	3.8	4.1		
Ontario	2.1%	2.2	2.2		
Prairie provinces	x	x	x		
British Columbia	7.3%	9.6	8.8		
Canadian gross domestic products at factor cost	\$329 750	\$360 667	\$392 720	million	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
<b>23. Revenue freight loaded on railways</b>	<b>200</b>	<b>207</b>	<b>240</b>	<b>238</b>	
Forest products share	14%	16%	14%	15%	
	<u>Percent</u>	<u>Rank</u>	<u>Volume/value</u>		
<b>24. Canada's share in world forest economy, 1984</b>					
Softwood growing stock	14%	2 <sup>rd</sup>	15 500 million m <sup>3</sup>		
Industrial softwood roundwood production	15%	3 <sup>rd</sup>	145 275 thousand m <sup>3</sup>		
Softwood lumber output	14%	3 <sup>rd</sup>	48 587 thousand t		
Wood pulp production	15%	2 <sup>nd</sup>	20 451 thousand t		
Newsprint production	31%	1 <sup>st</sup>	9 014 thousand t		
Value of exports of forest products	23%	1 <sup>st</sup>	11 519 million US \$		

# SECTION I

## CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

**Forest Biomass Inventory:** The federal ENFOR program, in cooperation with the Canadian Forestry Service and provincial forestry agencies, has worked toward the completion of the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

**Forest Fire:** The Forest Fire Statistics are reported by the Canadian forest fire management agencies. Data limitations preclude the direct responsibility of fire effects on forest inventories and commercial timber supplies. In the absence of content-specific volumetric data, broad resolution area-based statistics are relied upon.

**Forest Insects and Diseases:** The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of six regional FIDS units and the new FIDS Technology Development Project. Activities are managed by the regional CFS establishments. The program provides perspectives on insects and diseases, as well as acid rain, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

**Forest Inventory:** Through the Canadian Forest Inventory Committee, the Canadian Forestry Service works in close cooperation with provincial forest agencies, to discuss and make recommendations on forest inventory procedures, and to acquire data for national summaries on topics such as inventory type, ownership, status, productivity, site quality, stocking, disturbance, age, and forest types.

**Forest Management Expenditures:** The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and the Canadian Forestry Service. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration through to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Access roads are also included.

**Forest Tree Production:** The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

**Silviculture:** The practice of silviculture in Canada is a provincial responsibility for the majority of publicly owned forest lands in Canada. The federal role, coordinated by the Canadian Forestry Service, is supportive through silviculture research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements.

## I - 1. AREA CLASSIFICATION BY CLASS AND PROVINCE, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
1 000 000 ha															
<b>A. Forest land</b>															
Inventoried	14.2	0.3	4.1	6.5	25.1	62.4	43.2	24.0	12.3	33.1	69.4	56.6	24.2	61.5	342.5
Productive	8.5	0.3	2.9	6.2	17.9	53.3	37.7	14.0	8.9	21.6	44.5	45.8	6.7	14.3	220.2
Unproductive	5.7	-	1.2	0.3	7.2	9.1	5.5	10.0	3.4	11.5	24.9	10.8	17.5	47.2	122.3
Not inventoried	-	-	-	-	-	31.6	37.5	10.9	5.5	1.8	18.2	6.7	-	-	94.0
Productive	-	-	-	-	-	31.6	4.9	-	-	1.8	1.8	5.7	-	-	44.0
Unproductive	-	-	-	-	-	-	32.6	10.9	5.5	-	16.4	1.0	-	-	50.0
<b>Total</b>	<b>14.2</b>	<b>0.3</b>	<b>4.1</b>	<b>6.5</b>	<b>25.1</b>	<b>94.0</b>	<b>80.7</b>	<b>34.9</b>	<b>17.8</b>	<b>34.9</b>	<b>87.6</b>	<b>63.3</b>	<b>24.2</b>	<b>61.5</b>	<b>436.4</b>
<b>B. Other lands, water and total area</b>															
Nonforest land	22.9	0.3	1.2	0.7	25.1	41.7	8.4	19.9	39.2	29.5	88.6	29.8	23.6	263.1	480.3
Agricultural	-	0.3	0.5	0.4	1.2	3.8	6.0	7.6	26.0	19.1	52.7	2.2	-	-	65.9
Other	22.9	-	0.7	0.3	23.9	37.9	2.4	12.3	13.2	10.4	35.9	27.6	23.6	263.1	414.4
<b>Total land</b>	<b>37.1</b>	<b>0.6</b>	<b>5.3</b>	<b>7.2</b>	<b>50.2</b>	<b>135.7</b>	<b>89.1</b>	<b>54.8</b>	<b>57.0</b>	<b>64.4</b>	<b>176.2</b>	<b>93.1</b>	<b>47.8</b>	<b>324.6</b>	<b>916.7</b>
Water	3.4	-	0.3	0.2	3.9	18.4	17.7	10.2	8.2	1.7	20.1	1.8	0.4	13.3	75.5
<b>Total area</b>	<b>40.5</b>	<b>0.6</b>	<b>5.5</b>	<b>7.3</b>	<b>53.9</b>	<b>154.1</b>	<b>106.9</b>	<b>65.0</b>	<b>65.2</b>	<b>66.1</b>	<b>196.3</b>	<b>94.9</b>	<b>48.2</b>	<b>338.0</b>	<b>992.2</b>

Source: Bonnor, G.M. Canada's Forest Inventory 1981. Forestry Statistics and Systems Branch, Canadian Forestry Service.

# AREA CLASSIFICATION Millions of hectares

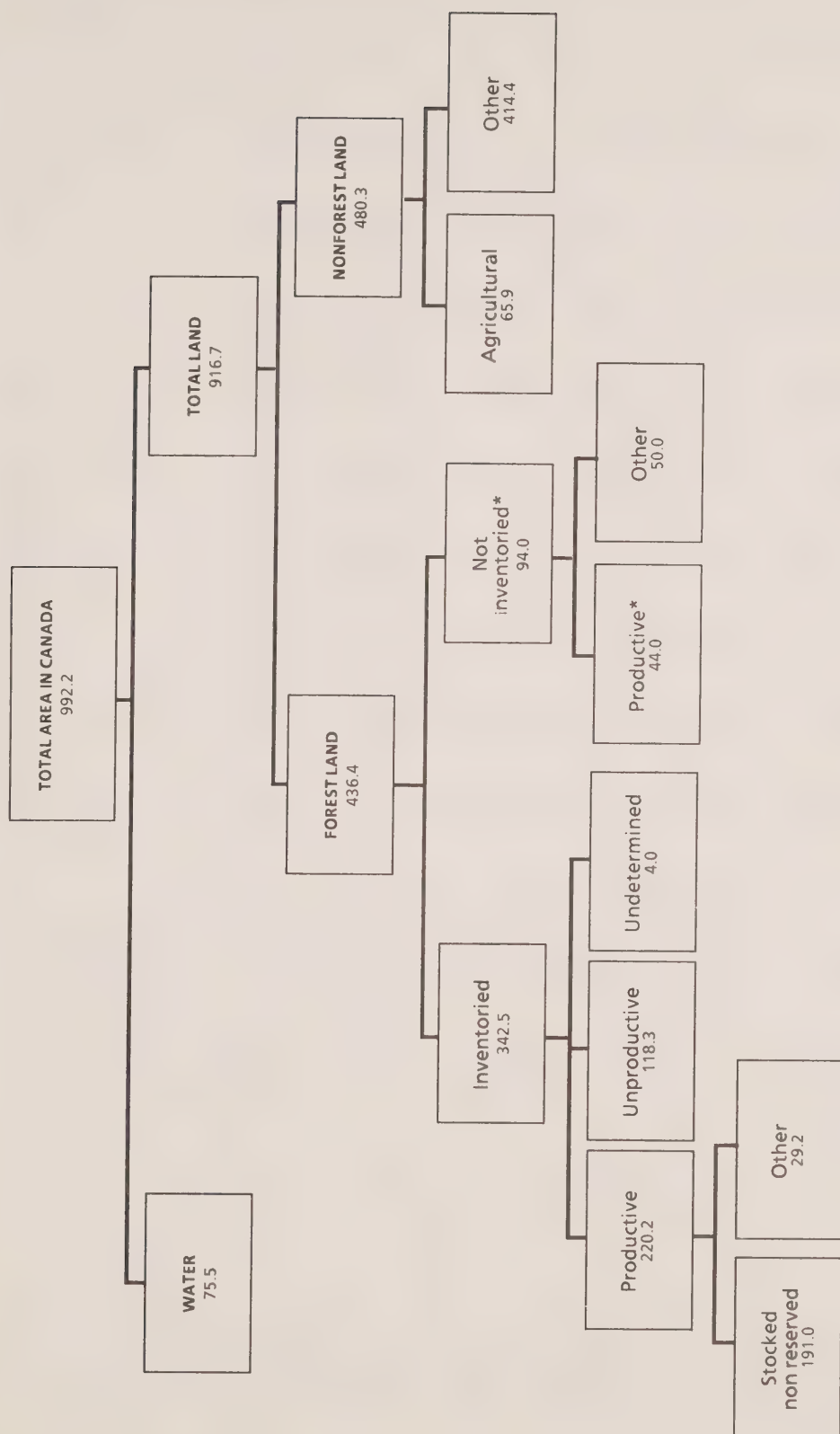


Figure 1. Area classification in Canada, 1981.

Source: Canada's Forest Inventory 1981. Canadian Forestry Service and provincial estimates (\*).



I - 2. INVENTORIED FOREST LAND BY OWNERSHIP, CLASS, AND PROVINCE, 1981

4

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
1 000 000 ha															
<b>A. Inventoried, stocked, productive, nonreserved forest land</b>															
Provincial	7.5	-	0.6	2.8	10.9	43.0	29.3	11.3	7.2	13.3	31.8	39.7	-	-	154.9
Federal	-	-	-	0.1	0.1	0.1	0.3	0.1	0.2	-	0.3	0.2	4.9	13.7	19.7
Private	0.4	-	2.2	3.0	5.6	5.7	3.4	0.4	-	-	0.4	1.4	-	-	16.4
Municipal/ Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>7.9</b>	<b>-</b>	<b>2.8</b>	<b>5.9</b>	<b>16.6</b>	<b>48.9</b>	<b>33.1</b>	<b>11.8</b>	<b>7.4</b>	<b>13.3</b>	<b>32.5</b>	<b>41.3</b>	<b>4.9</b>	<b>13.7</b>	<b>191.0</b>
<b>B. Inventoried productive forest land</b>															
Provincial	7.9	-	0.6	2.9	11.4	46.9	33.1	13.2	8.4	19.9	41.5	43.7	-	-	176.7
Federal	0.1	-	-	0.2	0.3	0.2	0.6	0.3	0.5	1.7	2.5	0.5	6.7	14.3	25.2
Private	0.4	-	2.2	3.1	5.7	6.3	3.9	0.4	-	-	0.4	1.6	-	-	18.0
Municipal/ Undetermined	-	0.3	-	-	0.3	-	-	-	-	-	-	-	-	-	0.3
<b>Total</b>	<b>8.5</b>	<b>0.3</b>	<b>2.9</b>	<b>6.2</b>	<b>17.9</b>	<b>53.3</b>	<b>37.7</b>	<b>14.0</b>	<b>8.9</b>	<b>21.6</b>	<b>44.4</b>	<b>45.8</b>	<b>6.7</b>	<b>14.3</b>	<b>220.2</b>
<b>C. Inventoried forest land</b>															
Provincial	13.5	-	1.1	3.1	17.7	55.6	38.1	23.1	11.8	29.7	64.6	54.3	-	-	230.3
Federal	0.2	-	0.1	0.2	0.5	0.2	0.7	0.4	0.5	3.4	4.3	0.6	24.2	61.5	91.9
Private	0.6	-	2.9	3.2	6.7	6.6	4.3	0.5	-	-	0.5	1.7	-	-	19.9
Municipal/ Undetermined	--	0.3	-	-	0.3	-	--	--	-	--	-	--	-	-	0.4
<b>Total</b>	<b>14.2</b>	<b>0.3</b>	<b>4.1</b>	<b>6.5</b>	<b>25.1</b>	<b>62.4</b>	<b>43.2</b>	<b>24.0</b>	<b>12.3</b>	<b>33.1</b>	<b>69.4</b>	<b>56.6</b>	<b>24.2</b>	<b>61.5</b>	<b>342.5</b>

<sup>a</sup>The federal lands are divided as follow:

Yukon and N.W.T.	18 658 350 hectares,
Indian reserves	995 203 hectares,
National defence	190 492 hectares,
Forest experiment stations	8 170 hectares,
Other	39 724 hectares,
<b>Total</b>	<b>19 891 939 hectares.</b>

Source: Bonnor, G.M. Canada's Forest Inventory 1981 and Forest Harvest on Federal Lands 1976-1981. Canadian Forestry Service.

1 - 3. GROSS MERCHANTABLE VOLUME OF WOOD ON INVENTORIED, STOCKED,  
PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces		Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
A. Age class (1 000 000 m <sup>3</sup> )																
Regeneration	-	-	1	-	1	160	17	-	-	-	1	1	1	-	-	180
Immature	-	-	12	154	166	1 149	2 151	371	-	-	979	1 350	1 569	209	144	6 738
Mature	69	-	139	353	561	2 824	467	239	239	-	326	565	6 272	40	301	11 030
Overmature	42	-	28	8	78	-	563	25	25	-	110	135	-	-	1	777
Uneven-aged	-	-	22	1	23	-	-	-	-	-	-	-	-	-	-	23
Undetermined	352	33	-	-	385	-	-	-	-	484	22	506	-	5	-	896
Total	463	33	202	516	1 214	4 133	3 198	635	484	1 438	2 557	7 842	254	446	446	19 644
B. Species group (1 000 000 m <sup>3</sup> )																
Softwoods	429	22	137	338	926	3 089	2 075	439	293	781	1 513	7 438	214	315	315	15 570
Spruce	47	12	76	154	289	1 781	1 292	258	174	395	827	1 927	-	-	-	6 116
Pine	-	-	13	20	33	226	553	161	110	344	615	1 614	-	-	-	3 041
Fir	47	8	38	118	211	977	157	10	5	33	48	1 322	-	-	-	2 715
Hemlock	-	-	8	6	14	25	12	-	-	-	-	1 173	-	-	-	1 224
Cedar	-	1	-	37	38	70	49	1	-	-	1	626	-	-	-	784
Douglas-fir	-	-	-	-	-	-	-	-	-	9	9	605	-	-	-	614
Unspecified	335	1	2	3	341	10	12	9	4	-	13	171	214	315	315	1 076
Hardwoods	34	11	65	178	288	1 044	1 123	196	191	657	1 044	404	40	131	131	4 074
Aspen/poplar	2	2	6	33	43	255	609	172	175	657	1 004	337	-	-	-	2 248
Birch	14	3	-	46	63	483	337	19	14	-	33	41	-	-	-	957
Maple	-	5	37	76	118	236	139	-	1	-	1	5	-	-	-	499
Unspecified	18	1	22	23	64	70	38	5	1	-	6	21	40	131	131	370
Total	463	33	202	516	1 214	4 133	3 198	635	484	1 438	2 557	7 842	254	446	446	19 644
C. Biomass on nonreserved forest land (1 000 000 t)																
Productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	442	20 700
Unproductive	424	1	10	10	445	621	1 123	364	432	230	1 026	708	11	672	672	4 606
Total	770	30	325	542	1 667	4 281	4 209	1 111	1 070	2 146	4 327	9 506	199	1 114	1 114	25 306

Source: Bonnor, G.M., Canada's Forest Inventory 1981 and Inventory of Forest Biomass in Canada 1985. Canadian Forestry Service.

Province or territory	Number of production centers		Area available for production <sup>a</sup>	Seedling production			Targeted seedling production by source 1986 (\$)			
	1984	1985		Trees shipped 1984	Planned production 1985	Planned production 1986	Federal	Provincial	Industry	Private
A. Containerized seedling production										
Nfld.	3	3	3 204	2 439	3 165	3 165	-	100.0	-	-
P.E.I.	1	1	3 717	1 214	1 675	2 000	-	100.0	-	-
N.S.	8	8	27 407	12 073	23 900	29 754	-	64.4	19.1	16.5
N.B.	9	10	53 316	39 802	54 391	54 411	-	61.2	38.3	0.5
Que.	15	8	126 870	21 500	35 000	99 000	-	50.5	-	49.5
Ont.	32	36	77 979	81 458	78 731	88 986	-	9.1	-	90.9
Man.	2	2	6 582	3 722	7 688	10 360	-	100.0	-	-
Sask.	-	1	1 134	-	765	1 530	-	100.0	-	-
Alta.	5	5	27 115	15 139	23 740	23 750	-	75.8	12.6	11.6
B.C.	26	37	240 395	74 702	155 338	241 598	-	46.6	7.6	45.8
Total	101	111	567 719	252 049	384 393	554 554	-	46.6	8.6	44.8
B. Bare-root seedling production										
Nfld.	1	1	40	3 242	7 000	9 000	-	100.0	-	-
P.E.I.	1	1	20	315	390	400	-	100.0	-	-
N.S.	2	2	99	4 600	4 400	6 500	-	100.0	-	-
N.B.	2	2	126	14 300	13 000	13 000	-	26.9	73.1	-
Que.	8	8	387	47 400	66 500	61 000	-	86.9	-	13.1
Ont.	11	11	761	59 938	71 151	68 875	-	98.3	1.7	-
Man.	1	1	38	2 700	4 500	4 500	-	100.0	-	-
Sask.	4	4	151	10 647	11 365	18 159	-	100.0	-	-
Alta.	2	2	100	9 600	14 200	12 300	-	97.6	-	2.4
B.C.	11	10	853	53 329	53 696	51 450	-	80.1	9.7	10.2
Total	43	42	2 575	206 071	246 202	245 184	-	88.1	6.4	5.5

<sup>a</sup>Containerized seedling: square metres; bare-root seedling: hectares.

Source: Smyth, J.H.; Brownwright, A.J. Forest Tree Production Centres in Canada - 1984. Canadian Forestry Service.

I - 5. SILVICULTURE STATISTICS BY PROVINCE, 1975-1982

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>A. Area harvested</b>												
<b>Clear-cut (ha)<sup>a</sup></b>												
	1975	15 700	1 600	27 260	94 400	104 609	140 896	15 700	13 814	20 256	133 277	568 330 <sup>b</sup>
	1976	14 700	1 600	26 285	92 800	140 106	114 171	17 000	9 727	19 060	147 897	583 846 <sup>b</sup>
	1977	14 300	1 600	28 335	86 500	159 045	121 930	18 000	14 231	21 450	140 169	606 498 <sup>b</sup>
	1978	17 600	1 600	32 120	89 200	185 908	141 381	20 000	14 909	22 103	168 820	694 633 <sup>b</sup>
	1979	17 700	1 780	33 703	100 000	208 498	160 147	24 600	20 396	24 689	157 395	724 937 <sup>b</sup>
	1980	15 175	2 500	35 000	85 900	199 920	217 157	24 600	20 746	23 042	156 786	781 626 <sup>b</sup>
	1981	13 454	2 700	35 000	65 500	204 000	202 786	18 900	19 690	20 517	125 148	708 643 <sup>b</sup>
	1982	8 000	2 700	35 000	72 445	159 120	200 337	20 400	19 700	27 029	134 430	679 631 <sup>b</sup>
<b>Total harvesting (ha)<sup>a</sup></b>												
	1975	15 700e	1 600	27 260	94 400e	135 094	196 760	15 700e	13 814	20 256	156 976	678 886 <sup>b</sup>
	1976	14 700e	1 600	26 285	92 800e	181 737	156 721	17 000e	9 727	19 060	175 952	696 538 <sup>b</sup>
	1977	14 300e	1 600	28 335	86 500e	193 295	187 993	18 000e	14 231	21 450	166 081	733 220 <sup>b</sup>
	1978	17 600e	1 600	32 120	89 200e	226 127	194 998	20 000e	14 909	22 103	196 533	816 818 <sup>b</sup>
	1979	17 700e	1 780	33 703	100 000e	241 826	218 578	24 600	20 396	24 689	187 547	871 728 <sup>b</sup>
	1980	15 175	2 500e	36 439	85 900e	245 000	242 679	24 600	20 746	29 762 <sup>c</sup>	187 834	891 435
	1981	13 454	2 700e	36 429	65 500e	250 000	227 603	18 900	19 690	32 302	147 889	815 415
	1982	8 000	2 700e	35 710	72 445e	195 000	222 921	20 400	19 700e	37 120	162 172	776 638
<b>B. Area of site preparation</b>												
<b>Prescribed burning (ha)</b>												
	1975	-	-	-	300	-	-	-	-	-	60 615	60 915
	1976	-	-	-	500	-	-	-	-	-	61 759	62 259
	1977	-	-	-	400	-	2 949	-	-	-	29 942	33 291
	1978	-	-	-	1 000	-	4 247	-	-	-	33 460	38 707
	1979	-	-	-	1 500	-	4 163	-	-	-	47 468	53 131
	1980	15	-	-	656	-	2 362	-	-	217	26 896	30 246
	1981	76	-	129	2 284	-	2 409	-	-	-	18 372	23 270
	1982	8	70	65	1 952	-	5 277	-	-	-	29 993	37 365
<b>Scarification (ha)</b>												
	1975	-	-	595	9 800	3 008	45 231	3 965	1 322	15 822	13 194	92 937
	1976	-	48	634	10 500	2 570	39 157	4 038	2 820	14 944	15 490	90 201
	1977	28	-	850	13 500	7 555	42 357	4 080	1 883	18 905	18 227	107 385
	1978	320	16	2 608	15 000	8 478	40 307	4 342	4 530	18 635	17 948	112 184
	1979	1 508	566	2 255	16 802	14 217	45 736	3 823	5 501	14 536	19 823	124 771
	1980	235	566	1 952	16 591	6 993	50 624	3 836	7 056	15 587	20 529	123 969
	1981	1 097	280	1 879	20 374	6 904	51 683	4 161	7 125	18 721	20 758	132 982
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	12 966	26 566	18 892	149 913



Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>B. Area of site preparation (continued)</b>												
Other site preparation	1975	-	-	-	-	-	-	-	945	-	-	945
	1976	-	-	-	-	-	-	-	2 897	-	-	2 897
	1977	-	-	-	-	-	2 655	-	2 022	-	-	4 677
	1978	-	-	-	-	1 061	4 152	101	1 804	-	-	7 118
	1979	-	-	-	198	552	3 491	533	1 450	-	-	6 224
	1980	29	-	6 058	7 679	6 910	3 634	219	-	52	17 769	42 350
	1981	144	9	6 837	4 726	9 248	3 065	-	-	184	15 763	39 976
	1982	66	29	6 227	4 418	3 008	5 180	-	-	-	13 746	32 674
	1975	-	-	595	10 100	3 008	45 231	3 965	2 267	15 822	73 809	154 797
	1976	-	48	634	11 000	2 570	39 157	4 038	5 717	14 944	77 249	155 357
Total site preparation (ha)	1977	28	-	850	13 900	7 555	47 961	4 080	3 905	18 905	48 169	145 353
	1978	320	16	2 608	16 000	9 539	48 706	4 443	6 344	18 635	51 408	158 009
	1979	1 508	566	2 255	18 500	14 769	53 390	4 356	6 951	14 536	67 295	184 350
	1980	379	556	8 010	24 926	13 903	56 620	4 055	7 056	15 856	65 194	196 565
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	7 125	18 905	54 893	196 228
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	12 966	26 566	62 631	219 952
<b>C. Area planted</b>												
Bare-root area (ha)	1975	-	40	980	5 300	15 905	27 284	573	3 402	1 818	50 440	105 742
	1976	-	40	777	5 450	15 271	24 165	743	3 928	761	44 171	95 306
	1977	-	40	1 359	5 200	16 348	24 101	738	6 063	180	32 012	86 041
	1978	-	54	1 907	8 100	14 026	25 189	917	6 004	110	34 740	91 047
	1979	-	44	888	8 500	14 039	26 693	470	4 943	-	40 534	96 111
	1980	200	176	1 244	8 943	13 828	27 146	567	3 352	526	42 265	98 247
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	6 000	4 152	31 577	102 117
	1982	-	73	1 312	7 922	15 696	30 278	1 817	5 838	4 999	34 217	102 152
	1975	-	100	2 495	13 096	36 582	45 984	1 335	4 598	2 273	58 257	164 720
	1976	-	100	1 925	13 467	35 124	41 927	2 068	5 378	952	48 334	149 275
Bare-root seedlings (000)	1977	-	100	3 125	12 849	37 601	43 341	1 406	8 191	234	34 317	141 166
	1978	-	135	3 045	20 015	32 259	52 928	1 217	9 841	129	38 122	157 691
	1979	-	110	2 910	21 004	32 289	61 453	1 293	9 195	-	48 040	176 294
	1980	500	381	2 567	19 835	34 573	65 360	1 164	6 200	203	49 737	180 520
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	11 100	6 084	37 173	188 623
	1982	-	177	3 616	11 250	37 579	63 660	3 772	10 800	6 446	40 261	177 561

I - 5. SILVICULTURE STATISTICS BY PROVINCE, 1975-1982 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>C. Area planted (continued)</b>												
Container area (ha)	1975	-	80	445	1 375	-	2 766	543	152	4 198	12 638	22 197
	1976	-	80	453	2 600	58	2 005	303	511	4 038	15 990	26 038
	1977	-	80	972	4 407	196	2 406	94	168	5 304	23 729	37 356
	1978	-	40	1 383	2 600	53	2 360	303	587	7 035	23 529	37 890
	1979	184	40	1 788	7 200	23	4 137	100	740	8 264	23 143	45 619
	1980	160	247	2 496	13 095	13	4 934	195	757	11 030	21 410	54 337
	1981	779	465	2 518	15 050	1 142	6 634	689	865	8 837	35 028	72 007
	1982	802	402	2 918	14 536	1 381	7 564	386	432	13 108	48 578	90 107
Container seedlings (000)	1975	-	200	1 100	3 398	-	4 791	1 266	153	5 247	14 564	30 719
	1976	-	200	1 120	6 425	132	3 589	842	759	5 045	17 498	35 610 <sup>b</sup>
	1977	-	200	2 401	10 890	450	4 381	180	322	6 633	25 438	50 895
	1978	-	100	3 416	6 425	122	5 487	402	1 174	8 218	25 211	50 555
	1979	460	100	4 416	17 791	54	7 945	275	1 209	10 329	26 932	69 511
	1980	398	588	5 514	30 951	29	10 497	400	1 400	14 184	25 235	89 196
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 600	11 730	41 127	117 406
	1982	1 803	996	7 541	28 842	2 881	16 465	800	800	17 262	57 442	134 832
Total area planted (ha)	1975	-	120	1 425	6 675	15 905 <sup>e</sup>	30 050	1 116	3 554	6 016	63 078 <sup>e</sup>	127 939
	1976	-	120	1 230	8 050	15 329 <sup>e</sup>	26 170	1 046	4 439	4 799	60 161 <sup>e</sup>	121 344
	1977	-	120	2 331	9 607	16 544 <sup>e</sup>	26 507	832	6 231	5 484	55 741 <sup>e</sup>	123 397
	1978	-	94	3 290	10 700	14 079 <sup>e</sup>	27 549	1 220	6 591	7 145	58 269 <sup>e</sup>	128 937
	1979	184	84	2 676	15 700	14 062 <sup>e</sup>	30 830	570	5 683	8 264	63 677 <sup>e</sup>	141 730
	1980	360	423	3 740	22 038	13 841	32 080	762	4 109	11 556	63 675 <sup>e</sup>	152 585
	1981	1 853	490	5 085	22 121	15 875	38 107	4 134	6 865	12 989	66 605 <sup>e</sup>	174 124
	1982	802	475	4 230	22 458	17 077	37 842	2 203	6 270	18 107	82 795 <sup>e</sup>	192 259
Total seedlings planted (000)	1975	-	300	3 595	16 494	36 582	50 775 <sup>e</sup>	2 601	4 751	7 520	72 821	195 439
	1976	-	300	3 045	19 892	35 256	45 516 <sup>e</sup>	2 910	6 137	5 997	65 832	184 885
	1977	-	300	5 526	23 739	38 051	47 724 <sup>e</sup>	1 586	8 513	6 867	59 755	192 061
	1978	-	235	6 461	26 440	32 381	58 415	1 619	11 015	8 347	63 333	208 246
	1979	460	210	7 326	38 795	32 343	69 398	1 568	10 404	10 329	74 972	245 805
	1980	898	969	8 081	50 786	34 602	75 857	1 564	7 600	14 387	74 972	269 716
	1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	12 700	17 814	78 300	306 029
	1982	1 803	1 173	11 157	40 092	40 460	80 125	4 572	11 600	23 708	97 703	312 393

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>D. Area directly seeded (ha)</b>												
	1975	-	-	-	125	5 693	23 510	223	-	7 906	-	37 457
	1976	-	-	10	550	1 810	27 039	199	-	6 470	-	36 078
	1977	-	-	1	393	3 373	28 791	61	-	7 668	-	40 287
	1978	-	-	127	-	5 703	23 582	126	-	5 416	-	34 954
	1979	-	-	77	-	6 744	24 251	2 774	-	4 539	-	38 385
	1980	36	-	-	-	9 949	47 294	1 093	-	6 635	-	65 007
	1981	54	-	-	172	9 525	27 869	272	-	4 701	-	42 593
	1982	230	-	55	9	14 506	29 991	118	-	5 400	-	50 309
<b>E. Area of stand tending (ha)</b>												
	1975	251	-	1 334	-	..	33 277	562 d	-	1439	1 841	37 408
	1976	236	-	1 625	-	..	38 324	377 d	-	9069	9 733	51 201
	1977	2 340	-	2 146	1 032	..	52 850	558 d	-	1239	23 435	82 484
	1978	2 327	-	2 504	1 807	..	48 269	624 d	-	1529	26 586	82 269
	1979	2 790	20	3 556	3 436	..	39 228	220 d	142 f	2729	33 279	82 943
	1980	33	49	7 451	18 924	10 829	51 036	263 d	367 f	3509	30 877	120 179
	1981	2 615	353	9 264	17 618	12 686	41 444	-	369 f	9679	37 677	122 993
	1982	3 901	1 112	5 923	18 263	6 446	54 506	-	68 f	1 3979	26 031	117 647
<b>F. Area of pest control (ha)</b>												
	1975	-	-	-	2 695 000	2 800 000e	14 167	-	-	-	1 785	5 510 952
	1976	-	-	-	3 881 000	2 900 000e	41 060	-	-	-	2 667	6 824 727
	1977	76 910	-	556	1 682 000	1 400 000e	10 522	-	-	-	2 384	3 172 372
	1978	376 600	-	25 670	1 554 000	1 200 000e	4 085	-	-	-	2 908	3 163 263
	1979	5 870	-	30 752	1 598 000	600 000e	22 702	-	-	-	2 287	2 259 611
	1980	-	-	25 670	1 900 000	188 511	36 422h	-	-	-	1 564	2 152 167
	1981	-	-	31 195	1 693 000	705 164	11 733	-	-	-	3 830	2 444 922
	1982	-	-	19 153	1 867 570	1 298 495	3 827	-	-	-	-	3 189 045

a Crown land only.

b Canada totals includes Yukon and Northwest Territories.

c In 1980-81, 1981-82 and 1982-83, 6 720, 11 785, 10 091 hectares were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.

d Thinning only.

e Estimated.

f Mostly manual weeding.

g Mostly thinning.

h Includes herbicides and pesticides.

Source: Kuhnke, D.H. and Brace, L.G. Silviculture statistics for Canada, 1975-76 to 1982-83, Canadian Forestry Service.

## SILVICULTURE

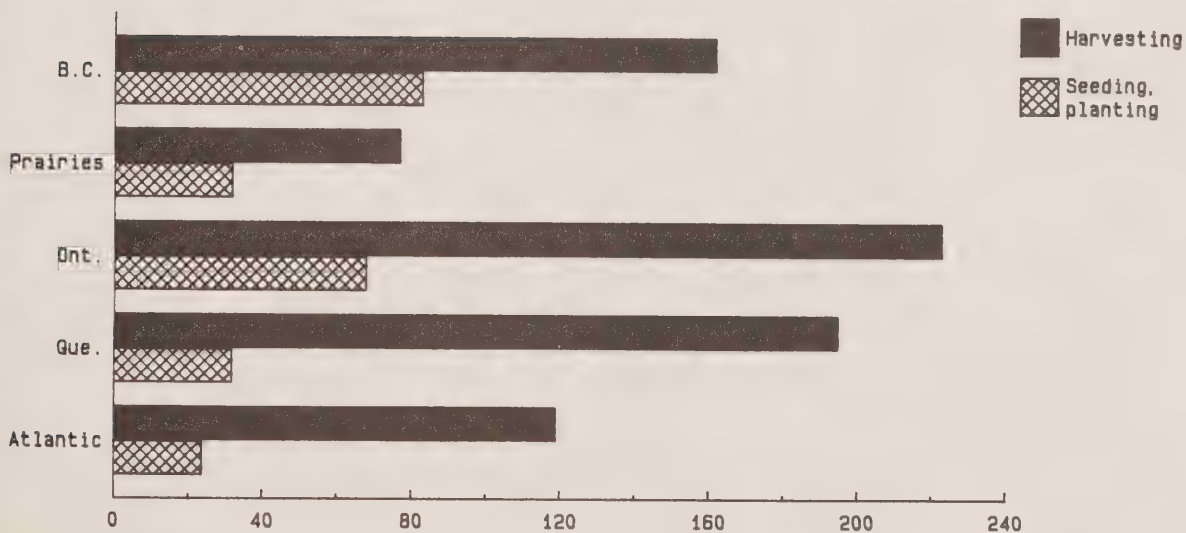


**Figure 2.** Harvesting compared to planting and direct seeding in Canada, 1975-1982.

Source: Silviculture statistics for Canada 1975-76 to 1982-83, Canadian Forestry Service.

## SILVICULTURE

Thousand hectares



**Figure 3.** Harvesting compared to artificial regeneration by region, 1982.

Source: Silviculture statistics for Canada 1975-76 to 1982-83, Canadian Forestry Service.



## I - 6. FOREST FIRE STATISTICS BY PROVINCE, 1980-1985

Province or territory	No. of fires <sup>a</sup>	Area burned (ha)	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
				----- \$000 -----	-----
<b>Newfoundland</b>					
1980	60	954	120	3 250	420
1981	131	13 087	698	2 400	665
1982	165	4 392	60	3 300	130
1983	138	16 792	24	3 428	50
1984	101	7 743	..	1 735	592
1985	289	153 115	7 156	1 748	2 247
<b>Prince Edward Island</b>					
1980	16	67	..	..	..
1981	40	146	6	9	13
1982	53	131	10	25	..
1983	55	321	15	24	..
1984	38	202	4	30	34
1985	52	181	5	165	177
<b>Nova Scotia</b>					
1980	439	953	..	1 924	300
1981	449	370	..	1 226	120
1982	491	617	..	585	186
1983	332	449	..	624	159
1984	446	594	..	..	250
1985	583	1 077	..	2 722	304
<b>New Brunswick</b>					
1980	389	2 815	887	339	770
1981	275	389	342	425	263
1982	487	6 537	3 677	486	3 010
1983	456	1 852	2 093	1 072	2 229
1984	395	580	79	1 186	517
1985	851	4 144	1 751	410	1 045
<b>Quebec</b>					
1980	947	31 573	847 <sup>b</sup>	19 170	1 869
1981	1 114	2 480	343	20 775	2 369
1982	1 202	7 970	886	19 800	3 249
1983	1 653	238 903	26 430	23 200	11 803
1984	683	3 082	262	22 800	1 100
1985	880	2 697	266	26 087	1 831
<b>Ontario</b>					
1980	1 779	560 325	72 094	20 708	56 183
1981	1 656	179 473	9 171	26 800	2 700
1982	1 396	3 892	117	24 800	16 999
1983	2 244	443 655	15 583	24 500	20 000
1984	1 240	297 564	1 440	26 000	7 500
1985	887	1 007	389	20 900	2 500

## I - 6. FOREST FIRE STATISTICS BY PROVINCE, 1980-1985 (CONTINUED)

Province or territory	No. of fires <sup>a</sup>	Area burned (ha)	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
				----- \$000 -----	-----
<b>Manitoba</b>					
1980	1 082	514 292	109 431	3 031	7 155
1981	712	396 454	60 789	1 000	7 353
1982	425	15 444	2 225	8 461	2 725
1983	535	99 153	5 773	8 500	8 259
1984	692	130 189	12 940	7 600	7 337
1985	346	11 823	1 437	7 800	1 634
<b>Saskatchewan</b>					
1980	743	1 348 792	17 603	790	15 311
1981	965	1 647 971	538 531	780	21 995
1982	596	64 586	..	1 082	8 250
1983	437	52 172	35 583	8 000	7 589
1984	549	13 036	59 239	9 020	14 724
1985	520	110 128	29 350	7 964	9 109
<b>Alberta</b>					
1980	1 348	672 460	115 349	7 829	37 341
1981	1 522	1 365 600	186 998	22 198	51 830
1982	1 256	679 683	138 015	32 684	55 912
1983	756	2 818	309	19 075	16 214
1984	1 370	79 966	3 129	19 658	7 804
1985	939	12 920	1 986	27 266	9 234
<b>British Columbia</b>					
1980	1 743	65 578	21 526	7 718	18 024
1981	2 737	106 593	12 857	6 995	39 223
1982	2 205	348 693	43 890	6 456	42 258
1983	1 705	67 365	12 309	50 000	24 800
1984	3 063	19 908	4 295	46 000	37 500
1985	3 604	234 647	33 849	45 345	101 479
<b>Yukon</b>					
1980	150	130 781	6 914	2 855	2 045
1981	91	35 159	1 726	4 428	3
1982	204	254 891	5 994	3 792	532
1983	198	43 006	1 672	5 746	1 478
1984	168	19 895	967	5 900	1 300
1985	110	15 131	1 211	5 500	676
<b>Northwest Territories</b>					
1980	345	1 214 396	7 030	3 750	11 800
1981	311	984 932	6 266	3 800	7 582
1982	357	302 150	1 705	4 200	7 283
1983	337	226 841	1 585	9 667	7 700
1984	311	41 074	219	5 495	4 800
1985	150	204 745	1 024	5 600	3 513

## I - 6. FOREST FIRE STATISTICS BY PROVINCE, 1980-1985 (CONCLUDED)

Province or territory	No. of fires <sup>a</sup>	Area burned (ha)	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
				----- \$000 -----	-----
<b>National Parks</b>					
1980	100	279 164	30	--	3 370
1981	142	680 711	..	2 629	1 769
1982	104	8 605	..	1 385	1 031
1983	84	848	..	1 649	300
1984	161	21 486	..	2 240	2 018
1985	146	5 645	..	2 276	2 391
<b>Total</b>					
1980	9 147	4 822 167	351 833	71 450	154 591
1981	10 145	5 413 365	817 727	93 965	135 891
1982	8 941	1 697 591	196 579	107 056	141 565
1983	8 930	1 194 175	101 375	155 485	100 581
1984	9 217	635 318	82 573	147 665	85 474
1985	9 357	757 260	78 424	153 783	136 140

<sup>a</sup>Approximately 60% of the forest fires have a known-man cause, 35% are caused by lightning and 5% have an unknown cause.

<sup>b</sup>Excludes the value of timber lost on 18 396 ha in the limited protection zone from 1980 to 1982.

Notes: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S.; Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983. Canadian Forestry Service and unpublished figures 1984-1985.

1 - 7. STATISTICS ON FOREST INSECT AND DISEASE CONDITIONS - ESTIMATED  
AVERAGE ANNUAL DEPLETION CAUSED BY IMPORTANT PESTS, 1977-1981

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
1 000 000 m <sup>3</sup>				
<b>A. Insects</b>				
Spruce budworms				
Nfld.	3.7	..	-	3.7
P.E.I.	..	..	-	..
N.S.	3.1	..	-	3.1
N.B.	1.6	..	-	1.6
Que.	14.8	..	-	14.8
Ont.	11.6	..	-	11.6
Total	34.8	9.7	-	44.5
Mountain pine beetle	5.1	..	-	5.1
Spruce bark beetle	3.5	..	-	3.5
Other bark beetles	0.3	..	-	0.3
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.3	0.8	-	1.1
Total	44.0	18.5	-	62.5
<b>B. Diseases</b>				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	16.1	3.8	25.0	44.9
Total insects and diseases	60.1	22.3	25.0	107.4

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Canadian Forestry Service.



I - 8. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT ACTIVITIES, 1977-1983<sup>a</sup>

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other <sup>b</sup>	Total <sup>c</sup>
						\$000 000				
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	115.7	125.8	72.3	9.9	13.7	43.1	110.0	-	490.5
	1981	195.6	262.8	79.5	16.5	20.8	71.6	138.8	-	785.6
	1982	227.6	240.2	74.8	17.5	20.6	78.5	160.7	-	820.0
	1983	240.9	182.1	87.1	18.3	21.3	75.1	159.2	-	783.9
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5 <sup>c</sup>	-	103.2
	1981	33.7	22.5	23.0	39.9	1.8	3.1	18.6 <sup>c</sup>	-	142.6
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1 <sup>c</sup>	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3 <sup>c</sup>	-	183.6
Industry	1977	16.1	18.6	161.0	-	..	..	..	25.1	220.8
	1979	21.9	20.9	193.2	-	..	..	..	42.0	278.0
	1981	43.0	26.3	162.8	-	..	..	..	87.4	319.5
	1982	..	..	..	..	..	..	..	..	..
	1983	36.6	33.7	121.8	-	..	..	..	88.1	280.3
Total expenditures	1977	118.2	115.3	216.8	37.2	..	..	..	171.8	659.3
	1979	164.5	157.8	284.7	40.0	..	..	..	224.6	871.6
	1981	272.3	311.6	265.3	56.4	..	..	..	342.1	1 247.7
	1982	..	..	..	..	..	..	..	..	..
	1983	335.9	241.6	229.6	77.2	..	..	..	363.5	1 247.8

<sup>a</sup>1977 for fiscal year 1977-1978, 1979 for 1979-1980, 1981 for 1981-1982, 1982 for 1982-1983, and 1983 for 1983-1984.

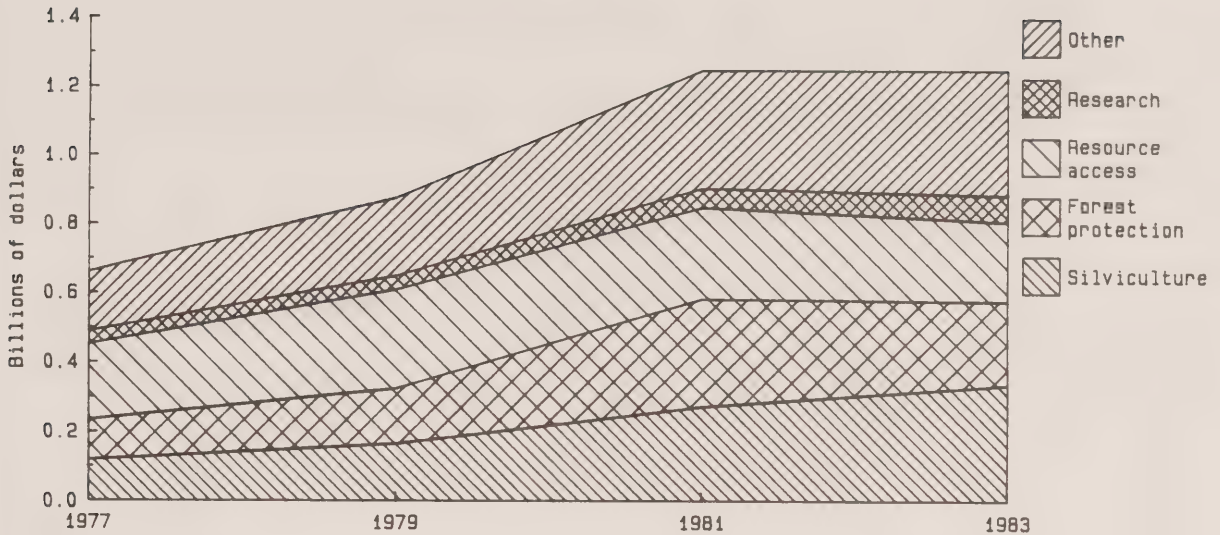
<sup>b</sup>Other expenditures in this case include the "inventory", "timber management", and "administrative and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

<sup>c</sup>\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million expended by Canadian Forestry Service headquarters in Hull, Quebec, for 1979, 1981, 1982, and 1983. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983. Canadian Pulp and Paper Association and Canadian Forestry Service.

## FOREST MANAGEMENT EXPENDITURES

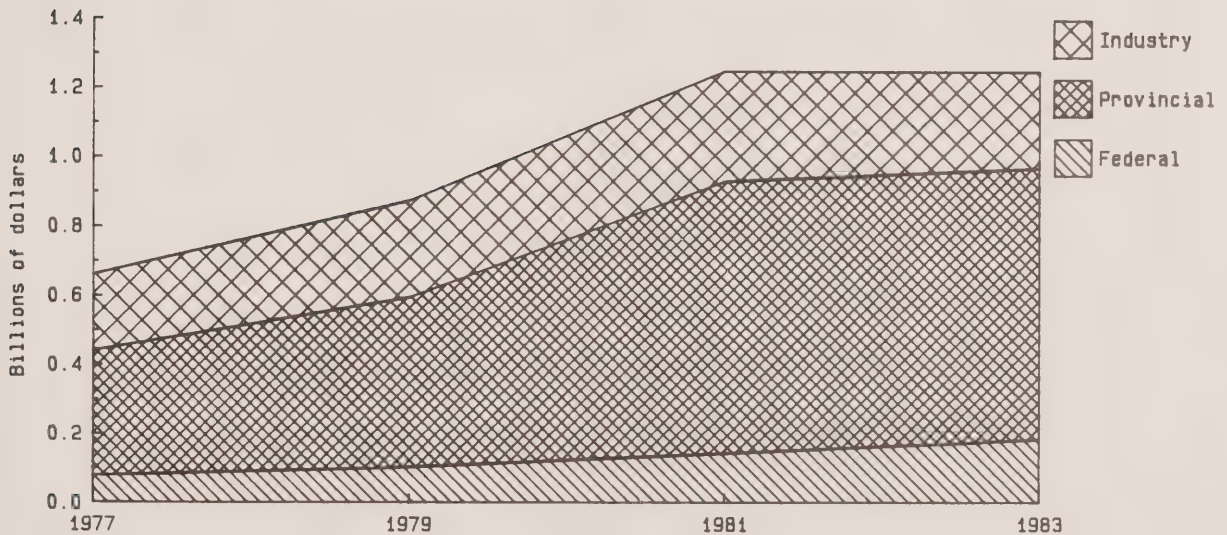
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**Figure 4.** Public and industry expenditures on forest management by activity, 1977-1983.

Source: Forest Management Expenditures in Canada 1977-1983, Canadian Pulp and Paper Association and Canadian Forestry Service.

## FOREST MANAGEMENT EXPENDITURES



**Figure 5.** Public and industry expenditures on forest management by source, 1977-1983.

Source: Forest Management Expenditures in Canada 1977-1983, Canadian Pulp and Paper Association and Canadian Forestry Service.

I - 9. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE, ACTIVITY, AND PROVINCE, 1977-1983<sup>a</sup>

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub- total	Yukon and N.W.T.	Canada
\$000 000																
<b>A. Source</b>																
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	361.7
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-	490.4
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.0	284.9	785.5	-	785.5
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	64.6	84.7	270.7	783.9	-	783.9
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	76.8
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	103.3
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	142.7
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	-	7.3	7.3	14.3	156.5	27.1	183.6
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-	220.8
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-	278.0
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-	319.5
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-	280.3
<b>B. Activity</b>																
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	118.2
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-	164.5
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-	272.3
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-	335.9
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	115.3
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2	157.8
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3	311.6
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	19.5	29.2	48.9	216.3	25.3	241.6
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	216.8
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-	284.7
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-	265.3
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.6	-	229.6

I - 9. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE, ACTIVITY, AND PROVINCE, 1977-1983<sup>a</sup> (CONCLUDED)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub- total	Yukon and N.W.T.	Canada
\$000 000																
<b>B. Activity (continued)</b>																
Research <sup>b</sup>	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	9.7	9.8	17.7	77.2	-	77.2
Other <sup>c</sup>	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7 <sup>d</sup>	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9 <sup>d</sup>	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
	1983	10.7	1.2	7.7	18.7	38.3	69.8 <sup>d</sup>	43.3	2.6	3.8	35.6	42.0	168.2	361.6	1.9	363.5
<b>Total</b>	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	57.4	89.1	361.9	859.4	12.2	871.6
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	131.4	190.7	474.0	1 223.0	24.7	1 247.7
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	88.4	112.0	434.2	1 220.7	27.1	1 247.8

<sup>a</sup>1977 for fiscal year 1977-1978, 1979 for 1979-1980, 1981 for 1981-1982, and 1983 for 1983-1984.

<sup>b</sup>Research expenditures include only provincial and federal estimates.

Other expenditures in this case include the "inventory", "timber management" and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

<sup>d</sup>\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million expended by Canadian Forestry Service headquarters in Hull, Quebec, for 1979, 1981, 1982, and 1983. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983. Canadian Pulp and Paper Association and Canadian Forestry Service.



I - 10. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY SILVICULTURE ACTIVITIES AND PROVINCE, 1985<sup>a</sup>

Area/activity	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>A. Area treated (1 000 ha)<sup>b</sup></b>											
Site preparation and regeneration	7.1	2.0	15.3	17.9	95.6	33.7	2.2	5.3	--	28.2	207.3
Other silviculture treatments	6.0	1.2	21.4	24.4	10.0	10.7	0.3	0.8	--	4.6	79.4
Forest protection	-	-	-	-	-	-	1.1	-	-	-	1.1
Research and forest extension	-	-	-	-	-	-	-	-	-	-	-
Other activities <sup>c</sup>	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>13.1</b>	<b>3.2</b>	<b>36.7</b>	<b>42.3</b>	<b>105.6</b>	<b>44.5</b>	<b>3.6</b>	<b>6.1</b>	<b>--</b>	<b>32.9</b>	<b>287.9</b>
<b>B. Source of expenditures by activity<sup>d</sup> (\$ 000)</b>											
Site preparation and regeneration	3 605.0	671.3	2 306.5	2 675.2	17 697.7	9 154.8	576.1	116.6	0.9	5 337.0	42 141.1
- Federal	360.5	35.4	2 118.9	2 384.3	17 645.5	9 014.1	-	1 831.8	-	5 257.0	38 647.5
- Provincial	3 965.5	706.7	4 425.4	5 059.6	35 343.2	18 168.9	576.1	1 948.5	0.9	10 594.0	80 788.6
Other silviculture treatments	3 270.0	1 284.4	3 893.4	3 228.4	2 271.6	512.6	162.8	467.1	172.4	1 817.0	17 079.7
- Federal	327.0	93.7	2 397.4	2 647.2	2 080.0	1 171.3	-	279.6	6.7	1 633.0	10 635.9
- Provincial	3 597.0	1 378.1	6 290.8	5 875.6	4 351.6	1 684.0	162.8	746.7	179.1	3 450.0	27 715.7
Forest protection	782.1	-	-	-	-	221.0	-	-	34.8	-	1 037.9
- Federal	78.2	-	130.0	-	-	221.0	250.4	-	-	200.0	879.6
- Provincial	860.3	-	130.0	-	-	442.1	250.4	-	34.8	200.0	1 917.6
Research and forest extension	642.0	250.3	98.1	1 791.1	637.6	716.2	1 584.5	1 813.7	853.3	1 193.0	9 579.8
- Federal	64.2	34.1	24.8	1 908.3	2 637.6	560.3	2 444.5	308.5	760.9	7 031.0	15 774.2
- Provincial	706.2	284.5	122.9	3 699.4	3 275.1	1 276.5	4 029.0	2 122.2	1 614.2	8 224.0	25 354.0
Other activities <sup>c</sup>	1 083.0	412.3	669.2	433.5	416.0	480.0	588.1	327.2	550.5	1 016.0	5 975.8
- Federal	108.3	56.2	427.0	-	-	116.7	-	62.1	54.6	371.0	1 195.9
- Provincial	1 191.3	468.6	1 096.2	433.5	416.0	596.6	588.1	389.2	605.0	1 387.0	7 171.5
<b>Total activities</b>	<b>9 382.1</b>	<b>2 618.4</b>	<b>6 967.2</b>	<b>8 128.2</b>	<b>21 022.9</b>	<b>11 084.6</b>	<b>2 911.4</b>	<b>2 742.7</b>	<b>1 611.9</b>	<b>9 363.0</b>	<b>75 814.4</b>
- Federal	938.2	219.5	5 098.1	6 939.8	22 363.1	11 083.5	2 694.9	2 481.9	822.2	14 492.0	67 133.2
- Provincial	10 320.3	2 837.9	12 065.3	15 068.0	43 385.9	22 168.1	5 606.3	5 206.6	2 434.0	23 855.0	142 947.6

<sup>a</sup>Fiscal year 1985-1986.

<sup>b</sup>An hectare may be duplicated if it received more than one silviculture treatment.

<sup>c</sup>The category "Other activities" includes the expenditures related to administration, communication and evaluation.

<sup>d</sup>Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMLS, Canadian Forestry Service.

I - 11. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY  
TENURE AND PROVINCE, 1985<sup>a</sup>

Area/tenure	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>A. Area treated (1 000 ha)<sup>b</sup></b>											
Provincial crown lands	10.4	0.2	9.7	33.5	72.7	34.5	3.2	6.0	-	31.7	201.9
Federal and Indian lands	-	-	-	0.2	0.2	0.2	0.5	-	-	-	1.1
Private lands	2.7	2.9	27.0	8.6	32.7	9.8	-	-	-	1.2	84.9
Tenure not applicable	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>13.1</b>	<b>3.2</b>	<b>36.7</b>	<b>42.3</b>	<b>105.6</b>	<b>44.5</b>	<b>3.6</b>	<b>6.1</b>	<b>-</b>	<b>32.9</b>	<b>287.9</b>
<b>B. Source of expenditures by tenure (\$ 000)<sup>c</sup></b>											
Provincial crown lands	7 382.1	484.1	-	5 775.4	15 651.3	9 359.6	2 302.2	2 183.3	875.5	7 621.0	51 634.5
- Federal	738.2	66.0	4 338.1	6 572.7	17 651.3	10 128.6	2 694.9	2 481.9	822.2	7 621.0	53 114.9
- Provincial	8 120.3	550.1	4 338.1	12 348.1	33 302.5	19 488.2	4 997.2	4 665.3	1 697.7	15 242.0	104 749.4
Federal and Indian lands	-	-	-	136.4	243.8	26.2	8.2	35.2	53.8	14.0	517.6
- Federal	-	-	-	-	-	-	-	-	-	-	-
- Provincial	-	-	-	136.4	243.8	26.2	8.2	35.2	53.8	14.0	517.6
Private lands	2 000.0	1 008.7	6 199.9	2 216.4	4 711.8	886.7	-	6.3	-	309.0	17 338.8
- Federal	200.0	-	178.2	367.2	4 711.8	661.8	-	-	-	-	6 119.0
- Provincial	2 200.0	1 008.7	6 378.1	2 583.6	9 423.6	1 548.5	-	6.3	-	309.0	23 457.8
Tenure not applicable	-	1 125.6	767.3	-	416.0	812.2	600.9	499.9	682.6	1 419.0	6 323.5
- Federal	-	153.5	581.8	-	-	293.1	-	-	-	6 871.0	7 899.4
- Provincial	-	1 279.1	1 349.1	-	416.0	1 105.3	600.9	499.9	682.6	8 290.0	14 222.9
<b>Total</b>	<b>9 382.1</b>	<b>2 618.4</b>	<b>6 967.2</b>	<b>8 128.2</b>	<b>21 022.9</b>	<b>11 084.6</b>	<b>2 911.4</b>	<b>2 724.7</b>	<b>1 611.9</b>	<b>9 363.0</b>	<b>75 814.4</b>
- Federal	938.2	219.5	5 098.1	6 939.8	22 363.1	11 083.5	2 694.9	2 481.9	822.2	14 492.0	67 133.2
- Provincial	10 320.3	2 837.9	12 065.3	15 068.0	43 385.9	22 168.1	5 606.3	5 206.6	2 434.0	23 855.0	142 947.6

<sup>a</sup>Fiscal year 1985-1986.

<sup>b</sup>An hectare may be duplicated if it received more than one silviculture treatment.

<sup>c</sup>Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMIS, Canadian Forestry Service.

## I - 12. FARM WOODLOTS BY PROVINCE, 1951-1981

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots in Canada	Total farms <sup>a</sup>	%
<b>A. Area of farm woodlots (1 000 ha)</b>															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	9 219	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	6 980	69 829	10.0
1971	5	85	300	276	666	1 254	931	389	404	674	1 467	342	4 660	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	4 367	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	3 551	65 889	5.4
<b>B. Number of farms reporting forest products sales<sup>b</sup></b>															
1981	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	19 858	...	...
<b>C. Value of sales (\$000)</b>															
1981	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	64 988	...	...

<sup>a</sup>A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of \$250 or more.

<sup>b</sup>Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture, 1981, Cat. No. 96-901.

## SECTION II

### COMMODITY PRODUCTION AND SHIPMENTS

- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels



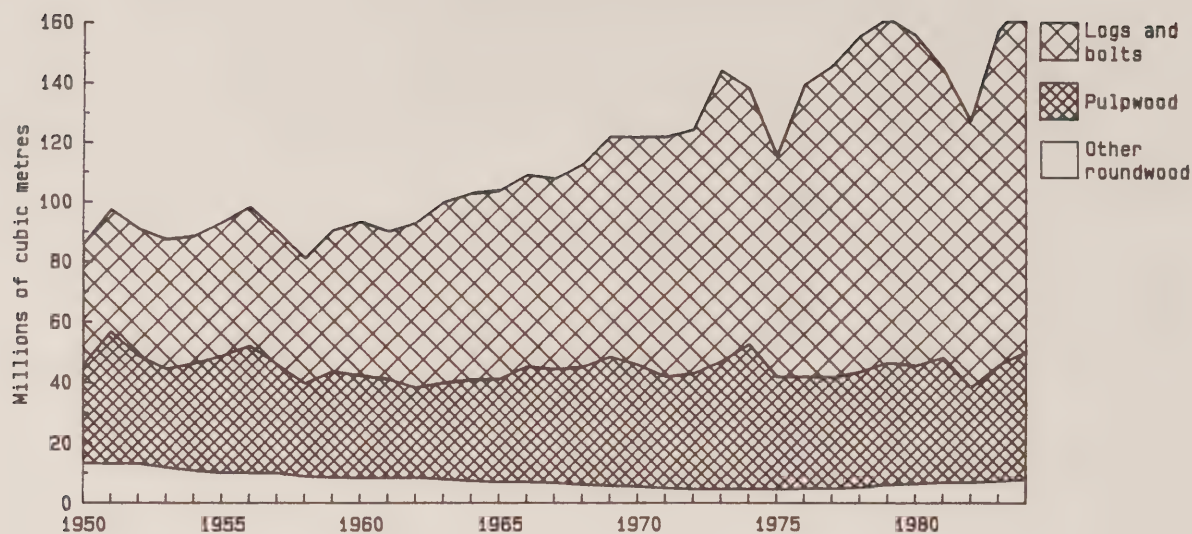


11 - 1. ESTIMATION OF ROUNDWOOD PRODUCTION BY CATEGORY AND SPECIES GROUP, 1950-1984

Year	Industrial roundwood				Fuelwood				Total	
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Total
										1 000 m <sup>3</sup>
1950	40 095	32 311	1 700	74 106	..	..	..	..	11 509	85 615
1960	51 120	33 924	1 461	86 505	..	..	..	..	6 751	93 256
1970	75 644	40 402	1 278	117 324	109 323	8 001	1 527	2 569	4 096	121 419
1971	79 948	36 902	1 141	117 991	109 777	8 214	1 276	2 458	3 734	119 701
1972	81 211	38 428	1 109	120 748	111 331	9 417	1 196	2 187	3 383	124 131
1973	96 886	42 378	1 079	140 343	129 688	10 655	1 165	2 297	3 462	143 806
1974	85 295	48 034	1 087	134 416	124 575	9 841	1 149	2 363	3 512	137 928
1975	73 543	37 063	891	111 497	103 437	8 060	1 211	2 554	3 765	115 262
1976	97 135	36 832	1 260	135 227	127 083	8 144	1 266	2 633	3 899	139 126
1977	103 707	36 732	1 141	141 580	132 652	8 928	1 017	2 665	3 682	145 262
1978	111 536	38 039	1 344	150 918	142 798	8 914	1 109	3 074	4 183	155 102
1979	114 433	40 242	1 789	156 464	147 661	9 590	1 281	3 225	4 506	160 970
1980	109 957	38 783	1 909	150 649	141 285	9 364	1 278	3 453	4 731	155 380
1981	96 318	41 204	1 562	139 084	130 633	8 451	1 410	4 078	5 488	144 572
1982	88 869	31 084	1 390	121 343	114 317	7 026	1 548	4 125	5 673	127 016
1983	111 269	38 090	1 365	150 724	142 293	8 431	1 609	4 588	6 197	156 921
1984	117 254	42 051	1 562	160 867	151 541	9 326	1 880	4 755	6 635	167 502

Source: Statistics Canada Cat. No. 25-201.

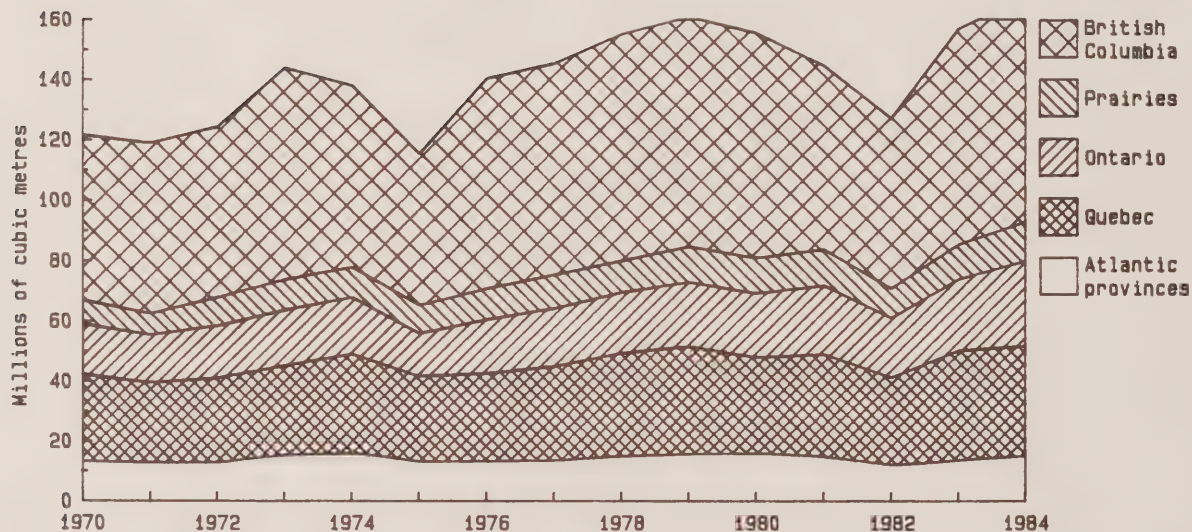
# ROUNDWOOD



**Figure 6.** Roundwood production in Canada, 1950-1984.

Source: Statistics Canada, Cat. No. 25-201.

# ROUNDWOOD



**Figure 7.** Roundwood production by region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201.

## 11 - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984

Year	Industrial roundwood				Fuelwood				Total	
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Total
1 000 m <sup>3</sup>										
Newfoundland										
1970	170	2 527	4	2 701	2 701	-	112	35	147	2 849
1971	151	2 013	4	2 168	2 165	3	125	31	156	2 324
1972	148	2 071	6	2 225	2 222	3	105	25	130	2 355
1973	241	2 563	7	2 811	2 808	3	108	34	142	2 952
1974	184	2 874	8	3 066	3 063	3	108	37	145	3 211
1975	147	2 195	6	2 348	2 345	3	79	25	104	2 452
1976	207	2 011	20	2 238	2 232	6	76	31	107	2 345
1977	230	1 875	8	2 113	2 110	3	62	20	82	2 195
1978	261	1 909	8	2 178	2 175	3	88	22	110	2 288
1979	269	1 968	17	2 254	2 248	6	202	25	227	2 481
1980	207	2 189	130	2 526	2 523	3	241	28	269	2 795
1981	261	1 903	8	2 172	2 169	3	356	40	396	2 568
1982	147	1 736	9	1 892	1 889	3	425	62	487	2 379
1983	293	1 697	5	1 995	1 989	6	379	55	434	2 429
1984	183	2 053	4	2 240	2 239	1	572	77	649	2 889
Prince Edward Island										
1970	68	109	10	187	186	1	34	23	57	245
1971	77	66	9	152	137	15	40	20	60	212
1972	67	66	5	138	134	4	31	20	51	188
1973	69	62	10	141	129	12	3	28	31	172
1974	83	62	8	153	148	5	6	31	37	190
1975	71	45	6	122	118	4	8	37	45	167
1976	68	48	6	122	116	6	8	34	42	165
1977	65	37	3	105	105	-	6	28	34	139
1978	71	45	6	122	122	-	6	31	37	159
1979	85	48	11	144	144	-	11	68	79	223
1980	91	91	11	193	184	9	14	71	85	278
1981	102	59	28	189	172	17	11	133	144	333
1982	68	48	9	125	116	9	17	135	150	275
1983	96	31	11	138	125	13	18	138	156	294
1984	84	42	-	126	121	5	72	215	287	413

11 - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONTINUED)

Year	Industrial roundwood				Fuel wood				Total	
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods		
1 000 m <sup>3</sup>										
Nova Scotia										
1970	1 033	2 022	32	3 087	2 876	211	48	109	157	3 224
1971	801	2 263	19	3 083	2 879	204	45	108	153	3 236
1972	953	2 144	16	3 133	2 832	301	40	105	145	3 257
1973	1 025	2 394	16	3 435	3 071	364	51	108	159	3 596
1974	1 021	2 792	14	3 827	3 420	407	42	127	169	3 996
1975	837	2 508	13	3 358	3 075	283	40	141	181	3 539
1976	957	2 265	20	3 242	2 970	272	48	164	212	3 455
1977	940	2 540	8	3 489	3 243	246	45	142	187	3 676
1978	974	2 968	11	3 953	3 675	278	43	161	204	4 157
1979	1 059	3 098	14	4 171	3 802	369	57	161	218	4 389
1980	960	3 310	11	4 281	3 757	524	62	201	263	4 544
1981	897	2 795	17	3 709	3 367	342	42	235	277	3 986
1982	784	1 943	11	2 738	2 557	181	40	223	263	3 001
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 621
1984	993	2 270	-	3 263	2 885	378	46	250	296	3 559
New Brunswick										
1970	1 871	4 712	33	6 616	5 822	794	15	184	199	6 815
1971	1 778	4 913	24	6 715	5 794	921	19	171	190	6 905
1972	1 830	5 167	50	7 047	6 121	926	25	154	179	7 225
1973	2 418	6 258	37	8 713	7 181	1 532	20	136	156	8 868
1974	1 926	6 626	59	8 611	6 954	1 657	23	147	170	8 781
1975	1 755	4 913	45	6 713	5 479	1 234	40	153	193	6 906
1976	1 798	5 395	88	7 281	6 083	1 198	48	150	198	7 479
1977	1 897	5 550	85	7 532	6 399	1 333	31	139	170	7 702
1978	2 265	5 947	93	8 305	7 147	1 158	34	170	204	8 509
1979	2 322	6 088	85	8 495	7 277	1 218	34	221	255	8 750
1980	2 345	5 714	76	8 135	7 022	1 113	34	218	252	8 387
1981	2 282	5 165	82	7 529	6 524	1 005	37	229	266	7 795
1982	2 061	3 956	62	6 079	5 233	846	48	193	241	6 320
1983	2 360	4 752	65	7 177	6 168	1 009	53	212	265	7 442
1984	2 534	5 486	89	8 109	7 164	945	50	219	269	8 378



11 - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONTINUED)

Year	Industrial roundwood				Fuelwood				Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Total		
1 000 m <sup>3</sup>												
Quebec												
1970	8 778	17 740	251	26 769	23 272	3 497	906	1 223	2 129	24 179	4 720	28 999
1971	9 260	15 291	260	24 811	21 365	3 446	569	1 201	1 770	21 934	4 647	26 581
1972	10 534	15 350	271	26 155	21 933	4 222	586	1 104	1 690	22 501	5 326	27 827
1973	11 086	16 310	254	27 650	23 049	4 601	561	1 138	1 699	23 611	5 740	29 350
1974	12 204	18 548	275	31 027	27 459	3 568	538	1 147	1 685	27 997	4 715	32 712
1975	11 214	15 149	232	26 595	23 650	2 945	566	1 246	1 812	24 216	4 181	28 407
1976	13 309	13 598	311	27 218	23 990	3 228	566	1 274	1 840	24 556	4 502	29 058
1977	16 353	12 601	297	29 251	25 655	3 596	453	1 359	1 812	26 108	4 955	31 063
1978	18 576	13 096	396	32 068	28 571	3 497	510	1 501	2 011	29 081	4 998	34 079
1979	19 142	14 045	425	33 612	30 322	3 290	481	1 643	2 124	30 803	4 933	35 736
1980	16 848	12 318	453	29 620	26 505	3 115	368	1 699	2 067	26 873	4 814	31 687
1981	16 452	14 979	595	30 026	29 167	2 859	396	1 812	2 208	29 563	4 671	34 234
1982	15 787	10 316	793	26 896	24 522	2 374	368	1 869	2 237	24 890	4 243	29 133
1983	20 080	12 998	810	33 888	30 881	3 007	395	2 005	2 400	31 276	5 012	36 288
1984	18 712	14 329	944	33 985	31 242	2 743	456	2 078	2 534	31 698	4 821	36 519
Ontario												
1970	5 154	10 638	216	16 008	13 068	2 940	181	612	793	13 250	3 551	16 801
1971	5 380	9 472	208	15 060	12 172	2 888	229	549	778	12 401	3 438	15 839
1972	6 088	10 349	201	16 638	13 575	3 063	212	510	732	13 787	3 574	17 361
1973	6 357	11 142	203	17 702	14 658	3 044	215	527	742	14 875	3 571	18 446
1974	6 017	11 893	150	18 060	14 903	3 157	227	580	807	15 130	3 737	18 867
1975	5 267	7 929	142	13 337	10 760	2 577	241	637	878	11 001	3 214	14 215
1976	7 362	9 401	193	16 956	14 181	2 775	255	665	920	14 436	3 340	17 876
1977	7 915	10 306	156	18 377	15 107	3 270	198	694	892	15 305	3 964	19 269
1978	8 255	10 604	139	18 998	15 636	3 362	255	934	1 189	15 891	4 296	20 187
1979	9 132	10 769	133	20 034	16 098	3 936	297	963	1 260	16 395	4 899	21 294
1980	9 061	10 803	113	19 977	16 226	3 751	255	1 090	1 345	16 481	4 841	21 322
1981	8 707	12 105	127	20 939	17 683	3 256	382	1 487	1 869	18 065	4 743	22 808
1982	7 634	10 222	113	17 969	15 087	2 882	359	1 450	1 809	15 446	4 322	19 778
1983	9 008	12 450	107	21 565	18 112	3 453	431	1 740	2 171	18 543	5 193	23 736
1984	12 321	13 631	7	25 959	21 489	4 470	360	1 811	2 171	21 849	6 281	28 130



## 11 - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONTINUED)

Year	Industrial roundwood				Fuelwood				Total	
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods
1 000 m <sup>3</sup>										
<b>Manitoba</b>										
1970	314	664	91	1 075	929	146	100	84	1 029	230
1971	405	873	92	1 370	1 233	137	111	74	1 344	212
1972	581	954	115	1 654	1 481	173	108	74	1 589	246
1973	691	886	93	1 675	1 502	173	93	59	1 596	232
1974	510	1 321	105	1 936	1 816	120	91	74	1 907	194
1975	504	1 274	88	1 866	1 753	113	85	71	1 838	184
1976	589	878	105	1 572	1 487	85	85	85	1 572	170
1977	603	948	91	1 642	1 563	79	57	85	1 620	164
1978	640	937	93	1 670	1 563	107	45	88	1 608	195
1979	654	1 085	59	1 798	1 653	145	37	68	1 690	213
1980	688	1 458	82	2 228	2 106	122	25	82	2 131	204
1981	543	1 104	54	1 701	1 608	93	25	77	1 633	170
1982	527	790	57	1 374	1 283	91	28	96	1 311	187
1983	514	840	51	1 405	1 315	90	26	89	1 341	179
1984	333	1 202	47	1 582	1 486	96	116	-	1 602	96
<b>Saskatchewan</b>										
1970	608	1 253	259	2 120	1 910	210	68	188	1 977	398
1971	597	1 231	212	2 040	1 802	238	65	187	1 867	425
1972	976	1 308	171	2 455	2 144	311	48	136	2 194	447
1973	944	1 356	174	2 474	2 188	286	54	190	2 242	477
1974	710	1 687	170	2 567	2 276	291	51	159	2 327	450
1975	713	1 305	74	2 092	1 790	302	59	162	1 849	464
1976	1 127	1 345	167	2 639	2 342	297	71	156	2 413	453
1977	1 897	722	156	2 775	2 350	425	42	142	2 932	567
1978	1 614	974	119	2 707	2 367	340	46	110	2 413	450
1979	1 778	1 549	127	3 454	3 083	371	77	48	3 160	419
1980	1 520	1 569	122	3 211	2 849	362	79	40	2 928	402
1981	1 662	1 605	161	3 428	2 918	510	85	42	3 003	552
1982	1 382	898	122	2 402	2 102	300	79	45	2 181	345
1983	960	1 396	127	2 483	2 275	208	82	47	2 357	255
1984	1 145	1 323	125	2 593	2 436	157	70	63	2 506	220

## 11 - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONCLUDED)

Year	Industrial roundwood				Fuelwood				Total	
	Logs and bolts	Pulpwood	Other roundwood		Softwoods	Hardwoods	Softwoods	Hardwoods		
			Total	Total						
1 000 m <sup>3</sup>										
Alberta										
1970	3 186	690	115	3 991	3 937	52	40	112	152	4 144
1971	3 101	779	99	3 979	3 910	69	42	117	159	3 138
1972	3 639	1 017	147	4 803	4 695	108	31	59	90	4 893
1973	3 956	1 402	134	5 492	5 430	62	31	76	107	5 599
1974	2 560	2 229	176	4 965	4 894	71	34	59	93	5 058
1975	2 944	1 745	144	4 833	4 751	82	51	79	130	4 963
1976	3 341	1 892	272	5 505	5 434	71	51	71	122	5 627
1977	3 893	2 152	212	6 257	6 218	39	59	54	113	6 370
1978	3 817	1 558	249	5 624	5 581	43	45	57	102	5 726
1979	3 945	1 592	606	6 143	6 115	28	37	28	65	6 208
1980	3 925	1 331	609	5 865	5 757	108	45	23	68	5 933
1981	4 647	1 489	399	6 535	6 402	133	28	23	51	6 586
1982	4 257	1 175	147	5 581	5 462	119	79	54	133	5 714
1983	5 666	1 529	23	7 218	7 060	158	75	51	126	7 344
1984	6 557	1 715	86	8 358	7 827	531	57	42	99	8 457
British Columbia <sup>a</sup>										
1970	54 409	..	318	54 727	54 399	327	..	..	..	54 726
1971	56 364	..	186	56 550	56 257	293	..	..	..	56 551
1972	56 338	..	114	56 452	56 146	306	..	..	..	56 451
1973	69 998	..	139	70 137	69 560	577	..	..	..	70 137
1974	59 975	..	111	60 086	59 525	561	..	..	..	60 086
1975	49 942	..	136	50 078	49 554	516	..	..	..	50 078
1976	69 424	..	96	69 524	69 313	207	..	..	..	69 521
1977	69 823	..	147	69 970	69 834	136	..	..	..	69 971
1978	74 951	..	213	75 164	75 037	127	..	..	..	75 164
1979	75 892	..	303	76 194	75 968	227	..	..	..	76 195
1980	74 247	..	407	74 654	74 396	258	..	..	..	74 654
1981	60 700	..	80	60 780	60 547	233	..	..	..	60 780
1982	56 178	..	53	56 231	56 010	221	..	..	..	56 231
1983	71 320	..	123	71 443	71 162	281	..	..	..	71 443
1984	74 337	..	219	74 556	74 556	.. <sup>b</sup>	..	..	..	74 556

<sup>a</sup>pulpwood included in logs and bolts and fuelwood included in other roundwood; see also table 11-5 for more details.

<sup>b</sup>included with softwoods.

Source: Statistics Canada Cat. No. 25-201.

## 11 - 3. SHIPMENTS OF ROUNDWOOD BY PROVINCE, 1970-1984

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia	Other provinces	Canada
<b>A. Quantity (1 000 m<sup>3</sup>)</b>							
1970	1 899	7 337	24 640	14 684	62 214	5 782	116 556
1971	1 941	7 429	22 290	13 672	62 738	4 983	113 053
1972	2 089	7 002	22 599	15 704	63 477	5 946	116 817
1973	2 553	9 005	21 868	15 731	72 470	7 128	128 755
1974	2 892	9 124	23 400	16 438	63 984	8 523	124 361
1975	2 236	7 094	21 451	11 583	48 734	7 400	98 498
1976	2 122	8 129	20 044	12 983	67 395	7 187	117 860
1977	2 363	7 717	19 850	14 802	67 477	6 386	118 595
1978	2 525	8 464	19 783	15 877	70 665	7 371	124 685
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 247	102 448
<b>B. Value (\$000 000)</b>							
1970	17	73	307	184	713	61	1 356
1971	19	81	280	178	754	54	1 366
1972	21	79	290	205	879	70	1 545
1973	28	113	319	222	1 263	94	2 038
1974	39	131	394	281	1 214	132	2 191
1975	36	114	433	243	950	137	1 915
1976	36	143	448	307	1 475	149	2 558
1977	46	144	480	373	1 589	136	2 769
1978	50	165	511	428	1 891	163	3 207
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 485
1984	90	271	661	693	1 683	236	3 634

Source: Statistics Canada Cat. No. 25-201.

## 11 - 4. SHIPMENTS OF ROUNDWOOD BY CATEGORY AND SPECIES GROUP, 1970-1984

	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips
	Softwoods	Hardwoods	Softwoods	Hardwoods			
	1 000 m <sup>3</sup>						1 000 t
A. Quantity							
1970	69 728	1 771	40 653	4 124	291	116 567	69
1971	71 136	1 692	36 050	3 895	281	113 053	22
1972	73 267	1 849	37 809	3 563	302	116 789	51
1973	82 952	1 896	39 003	4 607	297	128 755	37
1974	73 834	2 358	42 417	5 348	405	124 362	90
1975	58 417	1 414	36 053	2 198	422	98 504	124
1976	78 273	1 515	34 525	3 167	379	117 860	275
1977	80 470	1 717	32 432	3 635	341	118 595	318
1978	84 687	1 573	34 686	3 457	283	124 685	133
1979	66 675	1 691	36 303	3 780	532	108 980	134
1980	68 508	1 598	33 705	3 383	532	107 727	182
1981	60 495	1 401	37 359	4 286	512	104 053	217
1982	48 729	1 332	32 717	3 492	117	86 387	482
1983	62 891	1 402	29 906	4 435	71	98 704	643
1984	63 067	2 271	30 743	6 284	84	102 449	516
B. Value (\$000 000)							
1970	780	23	501	42	10	1 356	2
1971	834	23	458	41	10	1 366	--
1972	980	27	491	37	10	1 445	1
1973	1 388	31	555	56	8	2 038	1
1974	1 346	42	719	72	12	2 191	3
1975	1 094	31	737	38	14	1 915	4
1976	1 662	34	789	58	14	2 558	14
1977	1 832	41	811	72	13	2 769	19
1978	2 187	42	891	74	14	3 207	7
1979	2 024	48	986	91	26	3 175	7
1980	2 179	50	991	84	25	3 329	11
1981	1 888	45	1 204	123	20	3 280	11
1982	1 645	41	1 100	110	6	2 902	20
1983	2 185	50	1 095	144	6	3 481	32
1984	2 199	70	1 164	194	7	3 634	28

Source: Statistics Canada Cat. No. 25-201.

11 - 5. ROUNDWOOD PRODUCTION ON FEDERAL LANDS BY HOLDING AND CATEGORY, 1985-1986

Holding/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
							1 000 m <sup>3</sup>						
<b>A. Yukon and N.W.T.</b>	...	...	...	...	...	...	...	...	...	...	104	71	175
Logs and bolts	...	...	...	...	...	...	...	...	...	...	29	38	67
Pulpwood	...	...	...	...	...	...	...	...	...	...	-	-	-
Fuelwood	...	...	...	...	...	...	...	...	...	...	74	32	106
Other roundwood	...	...	...	...	...	...	...	...	...	...	2	-	2
<b>B. Indian reserves</b>	-	-	1	40	156	153	11	24	2	80	...	...	467
Logs and bolts	-	-	-	1	135	49	2	3	-	63	...	...	253
Pulpwood	-	-	-	39	18	53	-	1	-	17	...	...	128
Fuelwood	-	-	1	-	3	51	9	20	2	-	...	...	86
Other roundwood	-	-	-	-	1	-	-	-	-	-	...	...	1
<b>C. National defence</b>	-	-	-	163	42	35	-	-	-	171	...	...	412
Logs and bolts	-	-	-	40	30	12	-	-	-	171	...	...	254
Pulpwood	-	-	-	61	3	14	-	-	-	-	...	...	78
Fuelwood	-	-	-	9	9	8	-	-	-	-	...	...	26
Other roundwood	-	-	-	54	-	1	-	-	-	-	...	...	55
<b>D. Forest experiment stations</b>	-	-	-	8	-	14	-	-	-	-	-	-	22
Logs and bolts	-	-	-	3	-	7	-	-	-	-	-	-	10
Pulpwood	-	-	-	2	-	5	-	-	-	-	-	-	7
Fuelwood	-	-	-	3	-	2	-	-	-	-	-	-	5
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>E. Other</b>	-	-	-	-	4	1	2	-	202	46	-	-	255
Logs and bolts	-	-	-	-	-	-	-	-	202	46	-	-	248
Pulpwood	-	-	-	-	-	-	2	-	-	-	-	-	2
Fuelwood	-	-	-	-	-	1	-	-	-	-	-	-	1
Other roundwood	-	-	-	-	4	-	-	-	-	-	-	-	4
<b>F. Total</b>	-	-	1	211	202	203	13	24	204	297	104	71	1 332
Logs and bolts	-	-	-	44	167	68	2	3	202	280	29	38	832
Pulpwood	-	-	-	102	21	72	2	1	-	17	-	-	215
Fuelwood	-	-	1	12	12	62	9	20	2	-	74	32	223
Other roundwood	-	-	-	54	5	1	-	-	-	-	2	-	62

Source: Timber Harvest on Federal Lands 1981-1986. Canadian Forestry Service.





## 11 - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1986

Year	Species	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Canada
1 000 m <sup>3</sup>													
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
	Total	107	27	664	705	2 665	1 935	138	156	781	8 280	8	15 465
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
	Total	68	20	548	656	2 633	1 484	82	159	726	12 518	14	18 907
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
	Total	81	28	476	660	3 785	2 002	122	248	1 100	18 067	17	26 588
1971	Softwoods	74	29	361	603	3 560	1 658	131	286	1 171	21 081	11	28 965
	Hardwoods	1	3	12	75	491	429	33	-	9	8	1	1 062
	Total	75	32	372	677	4 051	2 087	164	286	1 180	21 090	12	30 027
1972	Softwoods	73	27	431	660	4 368	1 780	187	394	1 373	22 423	7	31 724
	Hardwoods	1	--	12	76	607	499	50	-	22	9	1	1 276
	Total	75	27	442	736	4 975	2 279	237	394	1 395	22 431	8	33 000
1973	Softwoods	117	34	459	604	4 859	2 116	155	383	1 863	24 581	7	35 179
	Hardwoods	2	-	12	98	703	555	30	11	38	15	-	1 465
	Total	119	34	471	702	5 563	2 671	185	394	1 901	24 597	7	36 644
1974	Softwoods	85	21	453	639	4 575	2 241	245	285	1 517	20 613	6	30 680
	Hardwoods	2	7	15	77	701	590	29	4	4	15	-	1 444
	Total	87	28	468	716	5 276	2 831	274	289	1 521	20 628	6	32 124
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993
	Total	70	28	387	680	4 787	2 313	193	264	1 003	17 569	10	27 305
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
	Total	102	28	443	769	5 731	2 773	228	460	1 201	25 075	11	36 822
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
	Total	113	28	435	756	6 493	3 191	233	514	1 477	28 378	14	41 633

## III - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1986 (CONCLUDED)

Year	Species	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Canada
								1 000 m <sup>3</sup>					
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
	<b>Total</b>	<b>113</b>	<b>38</b>	<b>448</b>	<b>935</b>	<b>7 572</b>	<b>3 828</b>	<b>250</b>	<b>488</b>	<b>1 631</b>	<b>29 570</b>	<b>14</b>	<b>44 887</b>
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
	<b>Total</b>	<b>118</b>	<b>40</b>	<b>492</b>	<b>1 059</b>	<b>8 119</b>	<b>4 150</b>	<b>270</b>	<b>444</b>	<b>1 622</b>	<b>30 357</b>	<b>28</b>	<b>46 700</b>
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
	<b>Total</b>	<b>101</b>	<b>38</b>	<b>444</b>	<b>1 224</b>	<b>8 059</b>	<b>4 468</b>	<b>284</b>	<b>415</b>	<b>1 716</b>	<b>28 207</b>	<b>40</b>	<b>44 995</b>
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
	<b>Total</b>	<b>79</b>	<b>42</b>	<b>403</b>	<b>924</b>	<b>7 384</b>	<b>4 181</b>	<b>222</b>	<b>452</b>	<b>1 945</b>	<b>24 547</b>	<b>32</b>	<b>40 217</b>
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
	<b>Total</b>	<b>70</b>	<b>28</b>	<b>361</b>	<b>708</b>	<b>6 517</b>	<b>3 864</b>	<b>252</b>	<b>458</b>	<b>1 767</b>	<b>23 406</b>	<b>22</b>	<b>37 452</b>
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
	<b>Total</b>	<b>88</b>	<b>38</b>	<b>423</b>	<b>1 190</b>	<b>8 841</b>	<b>4 117</b>	<b>212</b>	<b>457</b>	<b>2 524</b>	<b>30 778</b>	<b>-</b>	<b>48 666</b>
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 708
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
	<b>Total</b>	<b>89</b>	<b>38</b>	<b>460</b>	<b>1 066</b>	<b>8 852</b>	<b>4 559</b>	<b>138</b>	<b>520</b>	<b>2 405</b>	<b>30 862</b>	<b>-</b>	<b>48 989</b>
1985 <sup>a</sup>	Softwoods	x	x	439	1 332	9 416	4 855	138	516	2 771	33 042	-	52 513
	Hardwoods	x	x	20	92	474	457	51	-	257	2	-	1 348
	<b>Total</b>	<b>x</b>	<b>x</b>	<b>459</b>	<b>1 424</b>	<b>9 890</b>	<b>5 312</b>	<b>189</b>	<b>516</b>	<b>3 028</b>	<b>33 044</b>	<b>-</b>	<b>53 861</b>
1986 <sup>a</sup>	Softwoods	x	x	468	1 313	10 262	4 730	168	416	2 985	31 466	-	51 808
	Hardwoods	x	x	12	64	476	648	23	-	171	2	-	1 396
	<b>Total</b>	<b>x</b>	<b>x</b>	<b>480</b>	<b>1 376</b>	<b>10 738</b>	<b>5 378</b>	<b>191</b>	<b>416</b>	<b>3 156</b>	<b>31 468</b>	<b>-</b>	<b>53 203</b>

1950-1984 data from the annual census of manufactures, 1985-1986 data from the monthly survey.

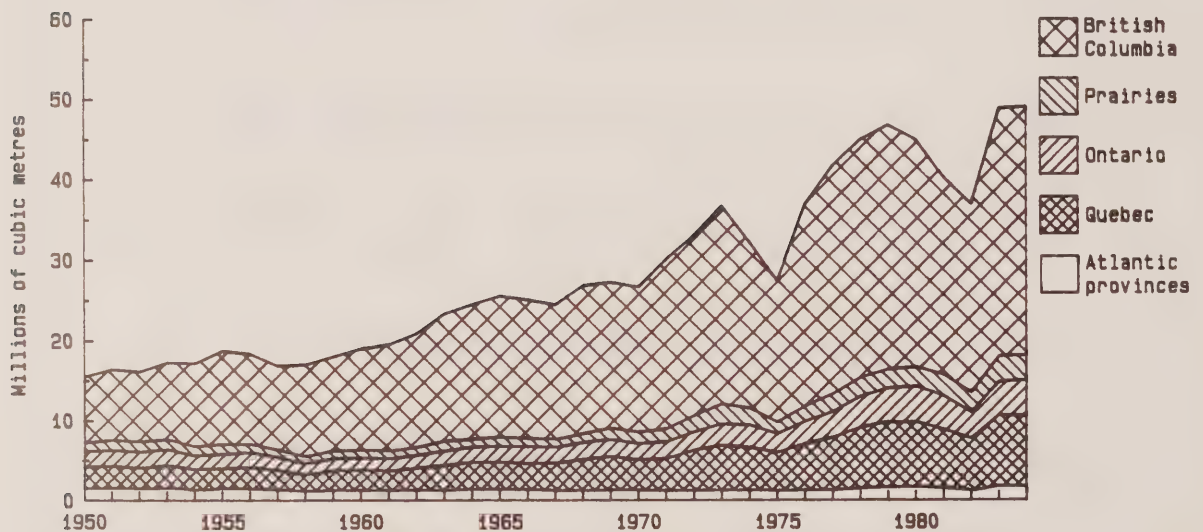
Source: Statistics Canada Cat. No. 35-204, 35-003, and 35-002.

## LUMBER



**Figure 8.** Lumber production in Canada, 1950-1984.  
Source: Statistics Canada, Cat. No. 35-204.

## LUMBER



**Figure 9.** Lumber production by region, 1950-1984.  
Source: Statistics Canada, Cat. No. 35-204.

Year	Maple	Yellow birch	White birch	Poplar, aspen, cottonwood	Elm	Basswood	Beech	Ash	Oak	Other <sup>a</sup>	Total hardwoods	Total softwoods and hardwoods
<b>A. Quantity (1 000 m<sup>3</sup>)</b>												
1970	391	270	33	27	41	37	12	7	12	229	1 059	25 857
1971	403	283	23	46	33	33	-	9	14	14	1 021	29 810
1972	508	305	29	86	40	37	24	-	17	151	1 197	33 167
1973	519	315	45	148	32	47	31	12	21	189	1 359	34 691
1974	505	246	20	108	29	37	39	15	21	111	1 131	30 999
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	7	25	14	10	18	111	779	39 014
1978	343	231	19	48	9	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	7	28	19	13	40	127	833	40 348
1981	307	159	21	54	6	30	13	9	37	106	742	39 180
1982	199	97	18	87	2	23	12	7	40	50	535	35 098
1983	211	149	24	162	1	21	13	6	39	43	668	44 772
1984	228	138	36	148	1	19	13	6	52	83	724	46 802
<b>B. Value (\$000 000)</b>												
1970	23	15	1	1	2	2	-	-	1	11	56	925
1971	26	16	1	1	2	2	-	1	1	7	57	1 159
1972	39	22	2	3	3	2	1	-	1	8	81	1 632
1973	43	26	3	7	2	3	3	1	2	11	100	2 227
1974	43	22	1	5	2	3	3	1	2	9	92	1 878
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	1	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 005
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 104
1983	32	25	3	14	--	3	2	1	8	5	94	4 598
1984	36	24	5	17	--	3	2	1	10	16	115	4 736

<sup>a</sup>Including red alder in some cases.

Source: Statistics Canada Cat. No. 35-204.



## 11 - 9. SHIPMENTS OF SOFTWOOD LUMBER BY SPECIES GROUP, 1970-1984

Year	Spruce	Hemlock	Douglas- fir	Cedar	Jack and lodgepole pines	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	Total softwoods	Total softwoods and hardwoods
<b>A. Quantity (1 000 m<sup>3</sup>)</b>												
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	24 799	25 857
1971	12 978	5 468	4 092	2 318	2 185	568	53	517	19	591	28 789	29 810
1972	15 758	5 551	4 034	2 331	2 571	624	68	562	55	416	31 970	33 167
1973	16 518	6 072	3 707	2 376	3 028	620	83	416	94	417	33 331	34 691
1974	15 520	5 135	3 107	2 131	2 761	553	124	315	76	147	29 869	30 999
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	25 113	25 917
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	32 885	33 693
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	38 235	39 014
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	41 137	41 980
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	42 009	42 948
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	39 515	40 348
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	38 438	39 180
1982	19 739	4 402	2 237	2 470	3 916	535	283	772	140	67	34 563	35 098
1983	26 377	5 360	2 696	2 976	4 485	631	79	973	181	345	44 104	44 772
1984	31 058	5 370	2 807	3 078	2 185	649	149	560	166	55	46 078	46 802
<b>B. Value (\$000 000)</b>												
1970	333	168	146	92	54	26	4	17	3	27	870	925
1971	463	206	173	110	77	30	3	19	2	19	1 102	1 159
1972	735	259	205	142	120	38	4	26	-	22	1 551	1 632
1973	985	402	247	207	168	49	6	27	15	21	2 127	2 227
1974	823	335	203	191	134	48	8	20	15	8	1 785	1 878
1975	694	216	150	158	115	36	5	16	9	9	1 408	1 473
1976	1 007	385	219	272	162	45	9	13	13	9	2 134	2 203
1977	1 381	552	263	332	243	54	7	23	18	16	2 889	2 960
1978	1 810	663	319	436	394	81	10	30	24	9	3 776	3 863
1979	2 123	777	437	542	468	93	11	55	32	12	4 551	4 667
1980	1 831	742	322	420	383	83	11	58	28	16	3 894	4 005
1981	1 749	532	264	412	359	84	15	67	31	8	3 521	3 623
1982	1 475	478	207	388	281	77	26	71	25	6	3 034	3 106
1983	2 360	628	270	577	401	96	11	89	38	34	4 504	4 598
1984	2 735	589	286	588	199	109	20	55	34	5	4 620	4 736

Source: Statistics Canada Cat. No. 35-204.

11 - 10. SHIPMENTS OF SOFTWOOD LUMBER<sup>a</sup> BY PROVINCE, 1970-1984

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>A. Quantity (1 000 m<sup>3</sup>)</b>											
1970	46 <sup>a</sup>	4	398	594	3 089	1 244	61 <sup>a</sup>	222 <sup>a</sup>	1 149 <sup>a</sup>	18 009	24 799
1971	36 <sup>a</sup>	3	384	652	3 852	1 445	116 <sup>a</sup>	309 <sup>a</sup>	1 290 <sup>a</sup>	20 693	28 789
1972	55 <sup>a</sup>	3	384	718	4 563	1 558	153 <sup>a</sup>	387 <sup>a</sup>	1 444 <sup>a</sup>	22 770	31 970
1973	45 <sup>a</sup>	2	368	628	4 936	1 836	148	456 <sup>a</sup>	1 455 <sup>a</sup>	23 514	33 331
1974	x	-	304	593	4 516	1 794	227 <sup>a</sup>	321 <sup>a</sup>	1 199 <sup>a</sup>	20 920	29 869
1975	17	-	289	592	4 333	1 502	146 <sup>a</sup>	354 <sup>a</sup>	1 017 <sup>a</sup>	16 874	25 113
1976	9	-	281	686	5 111	1 665	155 <sup>a</sup>	347 <sup>a</sup>	1 207 <sup>a</sup>	23 437	32 885
1977	5	-	300	683	6 208	2 062	175 <sup>a</sup>	469 <sup>a</sup>	1 435 <sup>a</sup>	26 920 <sup>a</sup>	38 235
1978	x	-	334	825	7 088	2 464	191 <sup>a</sup>	472 <sup>a</sup>	1 466 <sup>a</sup>	28 301 <sup>a</sup>	41 137
1979	21	x	323	978	7 315	2 869	210	450 <sup>a</sup>	1 547 <sup>a</sup>	28 283 <sup>a</sup>	42 009
1980	12	x	260	928	7 013	2 833	198	344 <sup>a</sup>	1 519	26 399 <sup>a</sup>	39 515
1981	-	x	253	888	6 947	3 058	215 <sup>a</sup>	423 <sup>a</sup>	1 783	24 867 <sup>a</sup>	38 438
1982	x	x	229	584	5 956	2 584	164 <sup>a</sup>	387 <sup>a</sup>	1 701	22 954 <sup>a</sup>	34 563
1983	x	x	258	887	7 705	3 141	153 <sup>a</sup>	442	2 348	29 167	44 104
1984	x	x	273	968	8 117	3 553	135 <sup>a</sup>	481	2 683	29 859	46 078
<b>B. Value (\$000 000)</b>											
1970	2 <sup>a</sup>	--	16	23	107	48	2 <sup>a</sup>	7 <sup>a</sup>	34 <sup>a</sup>	632	870
1971	2 <sup>a</sup>	--	16	27	138	59	4 <sup>a</sup>	12 <sup>a</sup>	43 <sup>a</sup>	801	1 102
1972	2 <sup>a</sup>	--	19	35	209	80	7 <sup>a</sup>	19 <sup>a</sup>	66 <sup>a</sup>	1 115	1 551
1973	3 <sup>a</sup>	--	24	44	276	121	9	24 <sup>a</sup>	84 <sup>a</sup>	1 545	2 127
1974	x	-	22	41	250	111	12	15 <sup>a</sup>	57 <sup>a</sup>	1 277	1 785
1975	1	-	22	39	232	91	10 <sup>a</sup>	17 <sup>a</sup>	49 <sup>a</sup>	949	1 408
1976	1	-	23	46	302	110	10 <sup>a</sup>	19 <sup>a</sup>	68 <sup>a</sup>	1 556	2 134
1977	1	-	26	49	397	155	12 <sup>a</sup>	33 <sup>a</sup>	95 <sup>a</sup>	2 121 <sup>a</sup>	2 889
1978	x	-	32	69	543	232	16 <sup>a</sup>	39 <sup>a</sup>	121 <sup>a</sup>	2 724 <sup>a</sup>	3 776
1979	2	x	36	93	645	287	22	39 <sup>a</sup>	136 <sup>a</sup>	3 289 <sup>a</sup>	4 551
1980	1	x	32	92	589	263	17	26 <sup>a</sup>	112	2 762 <sup>a</sup>	3 894
1981	-	x	31	84	571	289	18 <sup>a</sup>	32 <sup>a</sup>	131	2 364 <sup>a</sup>	3 521
1982	x	x	27	53	470	240	14 <sup>a</sup>	27 <sup>a</sup>	113	2 089 <sup>a</sup>	3 034
1983	x	x	34	88	702	329	16 <sup>a</sup>	40	201	3 092	4 504
1984	x	x	39	95	778	373	15 <sup>a</sup>	42	221	3 057	4 620

<sup>a</sup>Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Source: Statistics Canada Cat. No. 35-204.

**11 - 11. SHIPMENTS OF LUMBER FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION<sup>a</sup>, 1980-1986**

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
	1 000 m <sup>3</sup>					
<b>A. Canada</b>						
1980	4 671	1 988	860	6 982	914	15 415
1981	4 282	1 851	1 025	7 799	934	15 891
1982	3 228	1 541	1 011	6 645	847	13 272
1983	4 277	1 977	955	8 103	1 052	16 364
1984	4 726	1 994	2 731	8 837	1 048	19 336
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
<b>B. United States</b>						
1980	1 655	1 439	762	14 697	495	19 048
1981	2 010	1 622	742	12 215	464	17 053
1982	2 123	x	763	12 149	1 677 <sup>c</sup>	16 712
1983	2 720	x	1 034	16 781	2 108 <sup>c</sup>	22 643
1984	3 008	1 852	22	17 381	639	22 902
1985	3 149	x	257	18 486	2 795 <sup>c</sup>	24 687
1986	3 225	x	171	17 370	2 685 <sup>c</sup>	23 451
<b>C. Other countries</b>						
1980	534	9	-	5 034	215	5 792
1981	402	25	-	4 155	216	4 798
1982	417	x	-	4 377	231	5 025
1983	345	x	-	4 354	139	4 838
1984	338	22	-	4 040	161	4 561
1985	116	x	-	3 810	78	4 004
1986	176	x	-	3 822	155	4 153
<b>D. Estimated shipments and adjustments<sup>b</sup></b>						
1980	692	633	-	914	326	2 565
1981	627	667	-	772	387	2 453
1982	1 052	1 064	-	1 152	258	3 526
1983	1 168	739	-	970	407	3 284
1984	745	1 044	-	607	491	2 887
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
<b>E. Total shipments</b>						
1980	7 551	4 071	1 622	27 628	1 948	42 820
1981	7 321	4 166	1 768	24 941	1 998	40 194
1982	6 821	3 945 <sup>c</sup>	1 774	24 323	1 672	38 535
1983	8 510	4 303 <sup>c</sup>	1 989	30 208	2 119	47 129
1984	8 817	4 913	2 753	30 864	2 339	49 686
1985	9 805	5 387 <sup>c</sup>	3 036	33 221	2 599	54 048
1986	10 590	5 367	3 156	31 467	2 485	53 065

<sup>a</sup>Census of manufactures monthly survey.

<sup>b</sup>Sawmills in Nova Scotia producing less than 2 360 m<sup>3</sup>, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m<sup>3</sup> per year, and sawmills in British Columbia producing less than 7 080 m<sup>3</sup> per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.

<sup>c</sup>Including confidential figures for Ontario.

## III - 12. WOOD PULP PRODUCTION BY CATEGORY, 1950-1986

[illegible]<sup>a</sup> Included with sulphate-bleached wood pulp.

<sup>b</sup>Canadian Pulp and Paper Association estimates based on Statistics Canada data.

Canadian Pulp and Paper Association monthly survey.

including defibrated and exploded.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

## 11 - 13. WOOD PULP PRODUCTION BY REGION, 1950-1986

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Canada
1 000 +						
1950	3 559	2 085	705	1 008	331	7 688
1960	4 055	2 692	1 927	1 430	294	10 398
1970	5 898	3 601	4 100	2 491	520	16 610
1971	5 666	3 447	4 409	2 419	601	16 543
1972	5 893	3 572	4 576	2 766	646	17 453
1973	5 591	3 669	5 337	3 217	750	18 564
1974	6 353	3 877	5 267	3 305	877	19 679
1975	5 198	2 540	3 998	2 560	817	15 113
1976	5 882	3 060	5 320	2 784	902	17 946
1977	5 860	3 662	4 831	2 876	940	18 168
1978	6 632	4 127	5 426	2 941	1 027	20 152
1979	6 869	4 322	5 523	2 956	1 058	20 728
1980	6 356	4 368	5 782	3 188	993	20 687
1981	6 858	4 394	4 995	3 229	1 096	20 572
1982	6 283	3 753	4 938	2 626	914	18 514
1983	6 510	4 217	5 760	2 784	925	20 195
1984	6 371	4 366	5 370	3 326	1 030	20 464
1985 <sup>a</sup>	6 424	4 383	5 955	3 783	.. <sup>b</sup>	20 545
1986 <sup>c</sup>	6 880	4 259	6 160	4 255	.. <sup>b</sup>	21 554

<sup>a</sup>Canadian Pulp and Paper Association estimates based on Statistics Canada data.

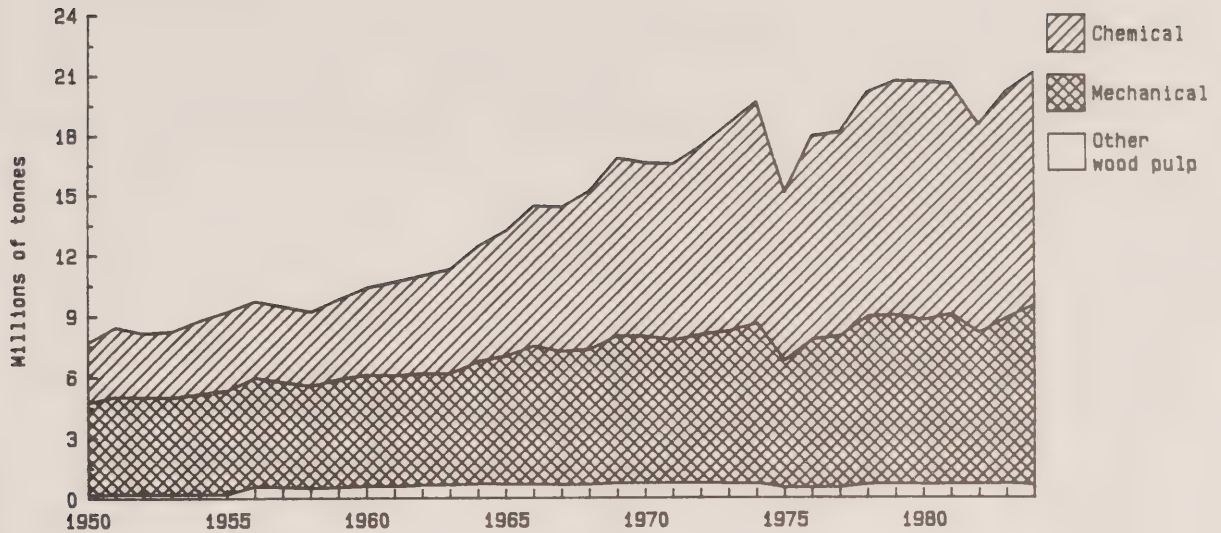
<sup>b</sup>Included in Atlantic provinces.

<sup>c</sup>Canadian Pulp and Paper Association, monthly survey.

Note: Approximately 76% of the wood pulp is used in production of paper and board in Canada.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986.





**Figure 10.** Wood pulp production in Canada, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

## WOOD PULP



**Figure 11.** Wood pulp production by region, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

## 11 - 14. SHIPMENTS OF WOOD PULP BY CATEGORY, 1960-1986

Year	Dissolving and special alpha	Chemical					Mechanical	Total
		Sulphite		Sulphate				
		Bleached	Unbleached	Bleached	Semibleached	Unbleached		
A. Quantity (1 000 t)								
1960	347	416	226	996	151	347	314	2 798
1970	394	555	238	3 437	706	413	304	6 046
1971	394	460	173	3 418	428	707	243	5 823
1972	369	460	163	4 248	716	481	260	6 698
1973	296	460	208	4 760	696	494	287	7 200
1974	330	679	206	5 013	685	401	288	7 603
1975	210	462	105	3 853	467	329	224	5 650
1976	214	559	132	4 757	552	288	266	6 769
1977	228	596	107	4 879	663	305	288	7 066
1978	324	492	120	5 764	704	293	323	8 021
1979	324	441	133	5 890	645	292	364	8 089
1980	272	400	133	6 132	671	233	325	8 165
1981	266	406	115	5 874	604	245	327	7 836
1982	220	370	82	5 403	513	186	280	7 012
1983	x	353	x	6 377	591	198	477	8 223
1984	x	331	x	6 397	540	165	653	8 372
1985 <sup>a</sup>	..	..	..	..	..	..	..	8 781
1986 <sup>b</sup>	239	412	51	6 708	529	133	453	9 311
B. Value (\$000 000)								
1960	59	61	27	145	17	33	26	369
1970	77	86	32	544	102	52	21	913
1971	77	72	24	532	53	105	16	878
1972	73	69	21	636	102	58	18	976
1973	62	90	38	878	128	82	24	1 301
1974	110	212	64	1 463	198	108	51	2 205
1975	87	161	31	1 392	168	101	43	1 983
1976	85	181	35	1 625	196	85	48	2 255
1977	95	190	29	1 595	231	81	50	2 271
1978	137	154	33	1 785	218	78	57	2 462
1979	158	182	47	2 445	268	103	85	3 288
1980	166	201	56	3 176	349	103	89	4 141
1981	170	206	50	3 057	319	117	86	4 005
1982	144	143	33	2 651	253	86	74	3 384
1983	x	164	x	2 775	254	72	128	3 519
1984	x	156	x	3 410	289	79	201	4 309

<sup>a</sup>Canadian Pulp and Paper Association estimates based on Statistics Canada data.<sup>b</sup>Canadian Pulp and Paper Association monthly survey.Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

**11 - 15. SHIPMENTS OF WOOD PULP FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION, 1980-1986**

Point of destination/ year	Province of origin				Canada
	Quebec	Ontario	British Columbia	Other provinces	
1 000 +					
A. Canada					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
B. United States					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	672	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
C. Other countries					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
D. Total shipments					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

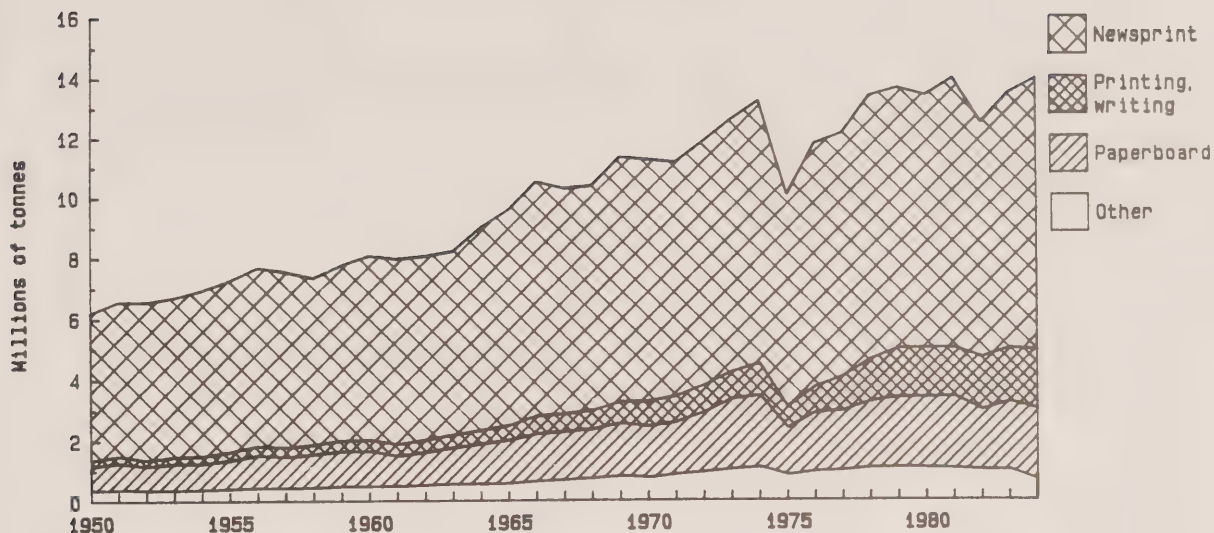
## 11 - 16. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY, 1950-1986

Year	Newsprint	Book and writing	Sanitary	Tissue		Wrapping	Building paper	Paper- board	Total
				other than sanitary	sanitary				
				1 000 +					
1950	4 825	194	59	11		202	83	796	6 180
1960	6 068	366	113	22		292	75	1 159	8 095
1970	7 996	821	199	19		438	101	1 678	11 252
1971	7 733	844	244	18		490	133	1 698	11 161
1972	8 079	881	262	21		542	156	1 941	11 882
1973	8 357	892	271	22		610	149	2 282	12 583
1974	8 710	1 056	302	25		643	143	2 338	13 219
1975	7 010	679	241	17		431	146	1 542	10 066
1976	8 063	842	288	16		526	149	1 908	11 791
1977	8 066	1 116	292	19		556	143	1 944	12 136
1978	8 739	1 377	314	17		628	129	2 171	13 376
1979	8 642	1 606	343	19		617	125	2 290	13 641
1980	8 368	1 636	362	17		544	138	2 319	13 385
1981	8 933	1 599	377	17		523	118	2 388	13 956
1982	7 785	1 721	366	17		466	124	1 982	12 473
1983	8 461	1 767	418 <sup>a</sup>	..		471	120	2 229	13 466
1984	8 950	2 001	423 <sup>a</sup>	..		476	122	2 387	14 359
1985 <sup>b</sup>	8 988	2 177	187	19		527	125	2 295	14 318 <sup>c</sup>
1986 <sup>d</sup>	9 274	..	..	..		..	..	..	15 244

<sup>a</sup>Including tissue, other than sanitary.<sup>b</sup>Canadian Pulp and Paper Association estimates based on Statistics Canada data.<sup>c</sup>The total in table 11-17 is 14 798<sup>t</sup>. The difference is in the estimates for newsprint. The figure 8 988<sup>t</sup> is derived from CPPA's own survey. However the estimate, equivalent to the CPPA figure, based on Statistics Canada data would be 9 468<sup>t</sup>.<sup>d</sup>Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 25-202 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

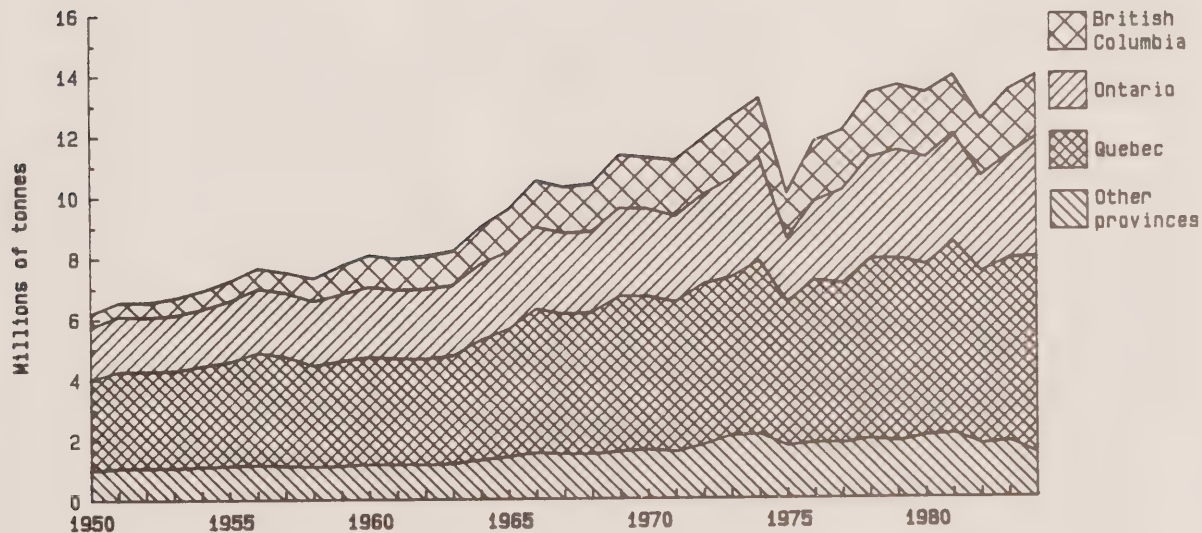




**Figure 12.** Basic paper and paperboard production in Canada, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

## PAPER AND PAPERBOARD



**Figure 13.** Basic paper and paperboard production by region, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.



## III - 17. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY AND REGION, 1950-1986

Year	Quebec		Ontario		British Columbia	Other provinces		Canada		
	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	
						1 000 +				
1950	2 510	499	3 009	1 125	602	1 727	452	993	1 355	6 180
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 195	2 027	8 095
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	3 256	11 252
1971	3 609	1 348	4 957	1 609	1 220	2 830	1 826	1 545	3 428	11 161
1972	3 793	1 529	5 322	1 625	1 310	2 935	1 834	1 791	3 803	11 882
1973	3 671	1 559	5 230	1 769	1 464	3 233	2 029	2 093	4 226	12 583
1974	4 079	1 657	5 736	1 778	1 626	3 404	1 952	2 128	4 508	13 219
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	3 056	10 066
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	3 728	11 791
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	4 066	12 136
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	4 637	13 376
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 863	4 999	13 641
1980	3 800	1 853	5 653	1 734	1 788	3 522	2 147	2 063	5 017	13 385
1981	4 452	1 880	6 332	1 742	1 820	3 562	1 926	2 136	5 023	13 956
1982	3 910	1 792	5 702	1 416	1 737	3 153	1 858	1 764	4 688	12 473
1983	4 156	1 839	5 995	1 576	1 924	3 500	2 126	1 845	5 005	13 466
1984	4 200	2 192	6 392	1 812	1 966	3 778	2 099	2 090	5 409	14 359
1985 a	**	**	6 402	**	**	3 830	2 546	2 020	**	14 798
1986 b	4 285	2 323	6 608	1 773	2 150	3 923	2 601	2 112	5 970	15 244

<sup>a</sup>Canadian Pulp and Paper Association estimates based on Statistics Canada data.

<sup>b</sup>Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 25-202, 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

## II - 18. SHIPMENTS OF BASIC PAPER AND PAPERBOARD BY CATEGORY, 1960-1986

Year	Newsprint	Book and writing paper	Sanitary	Tissue other than sanitary	Wrapping	Building paper	Paperboard	Total
<b>A. Quantity (1 000 t)</b>								
1960	6 146	363	37	13	273	75	877	7 785
1970	7 951	798	93	14	439	98	1 600	10 994
1971	7 639	822	86	15	492	132	1 646	10 831
1972	8 130	863	102	16	537	155	1 853	11 655
1973	8 373	891	105	18	616	147	2 062	12 214
1974	8 761	1 032	116	20	636	145	2 142	12 853
1975	7 046	680	87	12	422	141	1 504	9 892
1976	7 953	818	98	12	518	152	1 791	11 341
1977	8 111	1 085	108	15	546	140	1 874	11 880
1978	8 773	1 352	116	16	637	129	2 145	13 167
1979	8 667	1 573	137	17	606	125	2 208	13 333
1980	8 419	1 617	133	16	538	151	2 267	13 140
1981	8 836	1 582	138	16	516	125	2 305	13 519
1982	7 740	1 684	129	15	448	120	1 926	12 062
1983	8 440	1 712	122	17	464	120	2 169	13 044
1984	8 992	1 974	163	..	467 <sup>a</sup>	122	2 348	14 066
1985 <sup>b</sup>	8 965	2 167	186 <sup>c</sup>	..	521	125	2 318	14 282
1986 <sup>d</sup>	9 301	..	..	..	..	..	..	15 330
<b>B. Value (\$000 000)</b>								
1960	793	106	9	5	66	8	140	1 128
1970	1 107	238	26	7	102	9	269	1 757
1971	1 083	242	26	7	115	10	268	1 752
1972	1 177	262	30	8	124	12	313	1 925
1973	1 339	321	32	10	158	13	378	2 252
1974	1 855	496	51	15	242	17	550	3 226
1975	1 847	346	47	10	180	19	412	2 861
1976	2 180	404	62	10	204	21	503	3 383
1977	2 570	559	70	12	210	23	519	3 965
1978	3 004	729	75	13	270	24	615	4 730
1979	3 336	974	89	16	316	26	734	5 491
1980	3 723	1 133	111	17	327	38	856	6 205
1981	4 386	1 205	133	19	327	36	959	7 065
1982	4 057	1 337	138	19	305	33	850	6 740
1983	4 156	1 364	119	21	306	31	966	6 962
1984	4 821	1 711	134	..	340 <sup>a</sup>	33	1 156	8 194

<sup>a</sup>Tissue paper, other than sanitary, included with wrapping.<sup>b</sup>Canadian Pulp and Paper Association estimates based on Statistics Canada data.<sup>c</sup>Including tissue other than sanitary.<sup>d</sup>Canadian Pulp and Paper Association monthly survey.Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

**11 - 19. SHIPMENTS OF NEWSPRINT FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION, 1980-1986**

Point of destination/ year	Province of origin				Canada
	Quebec	Ontario	British Columbia	Other provinces	
1 000 +					
A. Canada					
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	580	181	169	102	1 032
1986	615	208	188	110	1 121
B. United States					
1980	2 793	1 589	909	826	6 118
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 595
1983	3 051	1 470	932	580	6 033
1984	3 212	1 638	892	843	6 585
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
C. Other countries					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	-	224	719	1 363
1985	335	-	290	665	1 290
1986	439	6	292	709	1 446
D. Total shipments					
1980	3 900	1 759	1 323	1 639	8 622
1981	4 280	1 772	1 164	1 697	8 913
1982	4 036	1 482	1 165	1 371	8 054
1983	4 075	1 629	1 315	1 421	8 440
1984	4 240	1 807	1 259	1 712	9 018
1985	4 097	1 745	1 464	1 690	8 996
1986	4 291	1 767	1 504	1 739	9 301

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

**11 - 20. SHIPMENTS OF OTHER PAPER AND PAPERBOARD FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION, 1980-1986**

Point of destination/ year	Province of origin				Canada
	Quebec	Ontario	British Columbia	Other provinces	
1 000 +					
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 468	319	202	3 397
1985	1 456	1 506	363	176	3 501
1986	1 529	1 565	422	214	3 730
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	264	83	1 660
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	363	119	579
1985	51	22	447	75	595
1986	68	22	441	108	639
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

## 11 - 21. SHIPMENTS OF SELECTED WOOD-BASED PANEL PRODUCTS, 1970-1986

Year	Veneer <sup>a</sup>			Plywood <sup>a</sup>			Other wood-based panels			
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard	
A. Quantity (1 000 m <sup>3</sup> )										
1970	470	134	604	1 664	191	1 855	..	256 <sup>b</sup>	171	
1971	526	133	659	1 855	209	2 064	..	378 <sup>b</sup>	186	
1972	596	151	747	1 996	226	2 222	..	475 <sup>b</sup>	217	
1973	607	139	746	2 149	250	2 399	..	565 <sup>b</sup>	253	
1974	489	118	607	1 842	218	2 060	..	507 <sup>b</sup>	222	
1975	506	99	605	1 979	180	2 159	..	564 <sup>b</sup>	194	
1976	651	111	762	2 134	190	2 324	285	474	191	
1977	750	127	877	2 359	194	2 553	384	514	172	
1978	678	164	842	2 576	217	2 793	457	617	198	
1979	634	x	x	2 379	x	x	528	703	193	
1980	638	x	x	2 248	x	x	577	724	226	
1981	616	x	x	1 978	198	2 176	665	697	163	
1982	473	x	x	1 646	163	1 809	536	574	118	
1983	701	x	x	x	..	2 057	851	706	162	
1984	..	..	..	..	..	1 845	1 183	823	144	
1985	..	..	..	..	..	1 970	1 331	1 029	151	
1986	..	..	..	..	..	1 888	1 356	1 115	136	
B. Value (\$000 000)										
1970	17	31	48	150	31	181	..	18 <sup>b</sup>	..	
1971	23	31	54	186	34	220	..	26 <sup>b</sup>	..	
1972	31	39	70	241	43	284	..	38 <sup>b</sup>	..	
1973	37	45	82	290	59	349	..	55 <sup>b</sup>	..	
1974	32	44	76	262	58	320	..	54 <sup>b</sup>	..	
1975	30	36	66	280	50	330	..	54 <sup>b</sup>	..	
1976	43	43	86	364	59	423	38	41	..	
1977	49	48	97	406	66	472	54	52	..	
1978	61	79	139	536	82	618	73	77	..	
1979	64	x	x	545	x	x	89	87	..	
1980	68	x	x	493	x	x	80	106	..	
1981	67	x	x	492	91	583	103	117	..	
1982	51	x	x	350	73	423	77	96	..	
1983	67	x	x	x	98	x	129	123	..	
1984	..	..	..	..	..	..	185	152	..	
1985	..	..	..	..	..	..	241	193	..	
1986	..	..	..	..	..	..	267	229	..	

<sup>a</sup>Annual survey 1970-1983, monthly survey 1984-1986.<sup>b</sup>Including waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001 and 36-003.



**11 - 22. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED WOOD INDUSTRIES  
FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984**

	Destination of shipments <sup>a</sup>														
Province of origin	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Directly exported	Total	
\$000 000															
A. Wood industries															
Nfld.	25	..	..	..	25	..	..	..	..	..	..	..	..	25	
P.E.I.	x	x	x	x	x	..	x	..	..	..	..	..	..	10	
N.S.	x	x	x	x	x	x	x	x	x	x	x	..	x	118	
N.B.	x	x	x	x	186	x	x	x	x	x	x	x	x	284	
Atlantic provinces	38	x	x	166	321	19	32	x	x	x	x	x	63	438	
Que.	12	x	x	19	46	1 558	276	x	x	x	x	x	487	2 387	
Ont.	x	x	x	x	19	109	1 226	13	x	x	x	x	407	1 796	
Man.	..	..	..	..	..	x	x	93	x	x	122	1	x	135	
Sask.	..	..	x	..	x	x	x	x	x	x	63	..	x	110	
Alta.	x	x	2	x	x	x	29	x	x	270	304	39	148	539	
Prairies	x	x	x	x	5	20	53	133	71	284	489	39	176	784	
B.C.	6	3	14	10	33	124	301	61	x	172	292	1 323	2 496	4 569	
Canada	59	21	144	200	424	1 830	1 888	213	x	473	828	1 374	3 629	9 973	
B. Shingle and shake industry															
N.B.	..	x	x	x	x	..	..	..	..	..	..	..	x	5	
Que.	..	..	..	x	x	x	x	..	..	..	..	..	x	10	
B.C.	x	x	1	x	x	x	x	x	x	x	x	35	86	124	
Canada	x	x	x	3	x	4	1	x	x	x	x	35	95	139	
C. Sawmill and planing mill products industry															
Nfld.	9	..	..	..	9	..	..	..	..	..	..	..	..	9	
P.E.I.	..	2	..	..	2	..	..	..	..	..	..	..	..	2	
N.S.	x	x	x	1	54	x	x	..	..	..	..	..	x	60	
N.B.	x	x	x	119	132	x	x	..	..	x	x	..	x	185	
Atlantic provinces	x	x	x	119	196	x	x	..	..	x	x	..	49	257	
Que.	x	x	x	7	x	799	164	x	..	x	x	x	344	1 329	
Ont.	..	..	x	..	x	x	419	x	x	x	x	x	215	669	
Man.	..	..	..	..	..	..	x	x	x	..	x	..	x	24	
Sask.	..	..	..	..	..	..	x	x	x	x	x	..	x	52	
Alta.	..	..	..	..	..	x	x	16	x	x	124	x	116	269	
Prairies	..	..	..	..	..	x	x	52	19	104	175	x	139	345	
B.C.	2	x	5	4	x	x	207	38	x	x	152	x	2 268	3 666	
Canada	23	6	66	130	226	892	807	95	x	184	332	992	3 016	6 265	

<sup>a</sup>Large establishments and head offices classified in the Census of manufactures universe were asked to report the first destination to which goods were shipped.

Source: Statistics Canada Cat. No. 31-530, Census of manufactures.

11 - 23. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED PAPER AND ALLIED INDUSTRIES  
FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

	Destination of shipments <sup>a</sup>													
Province of origin	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Directly exported	Total
\$000 000														
A. Paper and allied products Industries														
Nfld.	x	x	x	x	16	..	x	..	..	..	..	x	x	x
N.S.	x	x	x	x	61	32	x	x	x	x	x	x	x	434
N.B.	x	x	x	83	101	38	x	x	..	x	x	x	800	1 000
Atlantic provinces	x	x	x	x	178	70	190	x	x	4	x	x	1 304	x
Que.	24	x	x	70	133	1 721	1 032	x	x	31	x	x	2 883	5 864
Ont.	x	x	x	x	135	665	2 782	87	x	119	235	85	1 950	5 852
Man.	x	x	x	x	x	x	30	88	x	x	115	x	x	249
Sask.	..	..	..	..	..	x	x	x	x	x	16	x	x	x
Alta.	..	..	x	..	x	x	x	x	x	128	164	x	x	452
Prairies	x	x	x	x	--	44	42	105	49	142	296	x	458	x
B.C.	x	x	x	x	4	5	18	x	22	134	174	489	2 455	3 145
Canada	109	17	129	194	449	2 506	4 063	236	113	429	779	625	9 050	17 472
B. Pulp industry														
N.S.	..	..	..	x	x	x	x	..	..	..	..	..	x	x
N.B.	..	..	x	x	x	x	x	..	..	..	..	..	420	508
Atlantic provinces	..	..	x	x	x	x	x	..	..	..	..	..	420	x
Que.	..	..	..	22	22	147	45	..	..	..	..	..	270	484
Ont.	x	..	..	..	x	x	194	x	..	x	x	x	387	705
Sask.	..	..	..	..	..	x	x	..	..	..	..	..	x	x
Alta.	..	..	..	..	..	..	..	x	..	x	x	..	x	x
Prairies	..	..	..	..	..	x	x	x	..	x	x	..	369	x
B.C.	..	..	..	x	x	x	..	..	..	x	x	x	1 400	1 536
Canada	x	..	x	x	67	306	379	x	..	x	10	133	2 846	3 740
C. Newsprint industry														
Nfld.	x	..	..	..	x	..	x	..	..	..	..	..	x	x
N.S.	..	x	x	x	x	x	x	..	..	..	..	..	x	x
N.B.	..	..	x	x	x	x	x	..	..	x	x	..	x	x
Atlantic provinces	x	x	x	10	x	x	x	..	..	x	x	..	x	x
Que.	..	..	..	x	x	228	270	x	x	6	x	x	2 282	2 797
Ont.	x	x	x	x	x	x	x	x	x	x	x	x	1 259	1 436
Man.	..	..	..	..	..	..	x	x	x	x	x	x	x	x
Prairies	..	..	..	..	..	..	x	x	x	x	x	x	x	x
B.C.	..	..	..	..	..	..	..	x	x	37	43	69	913	1 025
Canada	x	x	x	14	81	258	374	x	x	53	100	75	5 303	6 191

<sup>a</sup>Large establishments and head offices classified in the Census of manufactures universe were asked to report the first destination to which goods were shipped.

Source: Statistics Canada Cat. No. 31-530, Census of manufactures.

## SECTION III

### COMMODITY TRADE

#### Exports

Export documents collected by Canada Customs are the basic source of export statistics, except for data on electricity, crude petroleum, and natural gas exported by pipeline.

**Provincial Detail:** Prior to the 1984 data year, export statistics by province of lading indicated the province in which the goods were first loaded aboard a carrier for export (province of lading). In certain cases this might differ from the province of origin, which is defined as the province in which the goods were grown, extracted, or manufactured.

Commencing with 1984 data, Statistics Canada and Revenue Canada, Customs and Excise have required export shipments to be reported by province of origin. It is understood that there are some problems effecting this change as many exporters are unable to report by province of origin. Therefore, 1984, 1985 and 1986 statistics should be considered only as transitional.

**Country and area of destination:** Exports are classified according to the country to which they are consigned at the time the goods leave Canada, i.e., to the farthest known destination. (Many primary products are shipped to transshipment points, particularly in Europe, for re-export to the ultimate destination which is unknown when the goods leave Canada.)

#### Imports

Import documents collected by Canada Customs are the basic source of import statistics, except for data on imports of electricity, which are reported by the importing firms directly to Statistics Canada.

**Provincial detail:** Import statistics by province of clearance indicate the province in which the goods were cleared by customs either for immediate consumption or for entry into a bonded customs warehouse; this may not always coincide with the province in which the goods are consumed or enter the productive process.

**Country and area of consignment:** Imports are credited to the country from which goods are consigned to Canada, except for goods originating in Central and South America but consigned to Canada via the United States. The principal trade areas shown in some tables are defined in section X, "User's guide."

#### Commodity Classification

Export commodities are classified according to the "Export Commodity Classification (XCC)," catalogue 12-502. Import commodities are classified according to the "Canadian International Trade Classification," catalogue 65-502.

## III - 1. BALANCE OF TRADE BY MAJOR COMMODITY GROUP, 1984-1985

Commodity	1984			1985		
	Exports <sup>a</sup> (+)	Imports (-)	Net flow	Exports <sup>a</sup> (+)	Imports (-)	Net flow
\$000 000						
<b>A. Forest products</b>	<b>15 793</b>	<b>1 965</b>	<b>+13 828</b>	<b>16 290</b>	<b>2 034</b>	<b>+14 256</b>
Lumber - Total	4 299	281	+ 4 018	4 630	281	+ 4 349
- Softwoods	4 182	108	+ 4 074	4 524	112	+ 4 412
Plywood, veneer	273	78	+ 195	249	79	+ 170
Particleboard and wood building board	157	24	+ 133	201	28	+ 173
Wood pulp	3 906	129	+ 3 777	3 399	132	+ 3 267
Newsprint	4 784	-	+ 4 784	5 408	-	+ 5 408
Other paper and paperboard	1 427	1 107	+ 320	1 486	1 141	+ 345
Pulpwood	11	13	- 2	8	16	- 8
Pulpwood chips	85	9	+ 76	83	9	+ 74
Other crude wood materials	263	141	+ 122	203	157	+ 46
Other forest products	588	183	+ 405	623	191	+ 432
<b>B. Farm products</b>	<b>9 313</b>	<b>5 419</b>	<b>+ 3 894</b>	<b>7 873</b>	<b>5 416</b>	<b>+ 2 457</b>
Live animals	520	94	+ 426	468	109	+ 359
Food, feed, beverages, and tobacco	8 792	5 325	+ 3 467	7 405	5 307	+ 2 098
<b>C. Fish products</b>	<b>1 595</b>	<b>487</b>	<b>+ 1 108</b>	<b>1 845</b>	<b>494</b>	<b>+ 1 351</b>
<b>D. Energy</b>	<b>15 629</b>	<b>5 246</b>	<b>+10 383</b>	<b>17 583</b>	<b>5 501</b>	<b>+12 082</b>
Coal and other crude bituminous	1 847	1 095	+ 752	2 010	888	+ 1 122
Crude petroleum	4 404	3 376	+ 1 028	5 972	3 695	+ 2 277
Petroleum and coal products	3 203	692	+ 2 511	3 343	831	+ 2 512
Natural gas	3 923	--	+ 3 923	4 011	--	+ 4 011
Uranium and radioactive elements and isotopes	875	-	+ 875	822	-	+ 822
Electricity	1 378	83	+ 1 295	1 425	87	+ 1 338
<b>E. Metals and minerals</b>	<b>16 720</b>	<b>8 476</b>	<b>+ 8 245</b>	<b>17 215</b>	<b>9 324</b>	<b>+ 7 891</b>
Metal ores, concentrates, and scrap	3 682	1 854	+ 1 828	3 545	1 659	+ 1 886
Iron and steel	2 254	1 641	+ 613	2 391	2 008	+ 383
Nonferrous metals	6 429	2 258	+ 4 171	5 984	2 601	+ 3 383
Other metals and minerals	4 356	2 723	+ 1 633	5 294	3 056	+ 2 238
<b>F. Other products</b>	<b>52 902</b>	<b>72 333</b>	<b>-19 431</b>	<b>58 038</b>	<b>80 514</b>	<b>-22 476</b>
Chemicals and fertilizers - minerals	3 042	1 879	+ 1 163	2 824	1 948	+ 876
Chemicals and fertilizers-non minerals	1 837	3 777	- 1 940	2 137	3 977	- 1 840
Textiles	303	1 735	- 1 432	316	1 886	- 1 570
Machinery	3 722	7 349	- 3 627	3 916	8 642	- 4 726
Transportation and automotive products	33 442	30 936	+ 2 506	37 664	37 135	+ 529
Other products	10 556	26 657	-16 101	11 181	26 926	-15 745
<b>Special trade transactions</b>	<b>432</b>	<b>1 534</b>	<b>- 1 102</b>	<b>397</b>	<b>1 631</b>	<b>- 1 234</b>
<b>G. Total</b>	<b>112 384</b>	<b>95 460</b>	<b>+16 924</b>	<b>119 241</b>	<b>104 914</b>	<b>+14 327</b>

<sup>a</sup>Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

# COMMODITY CLASSIFICATION

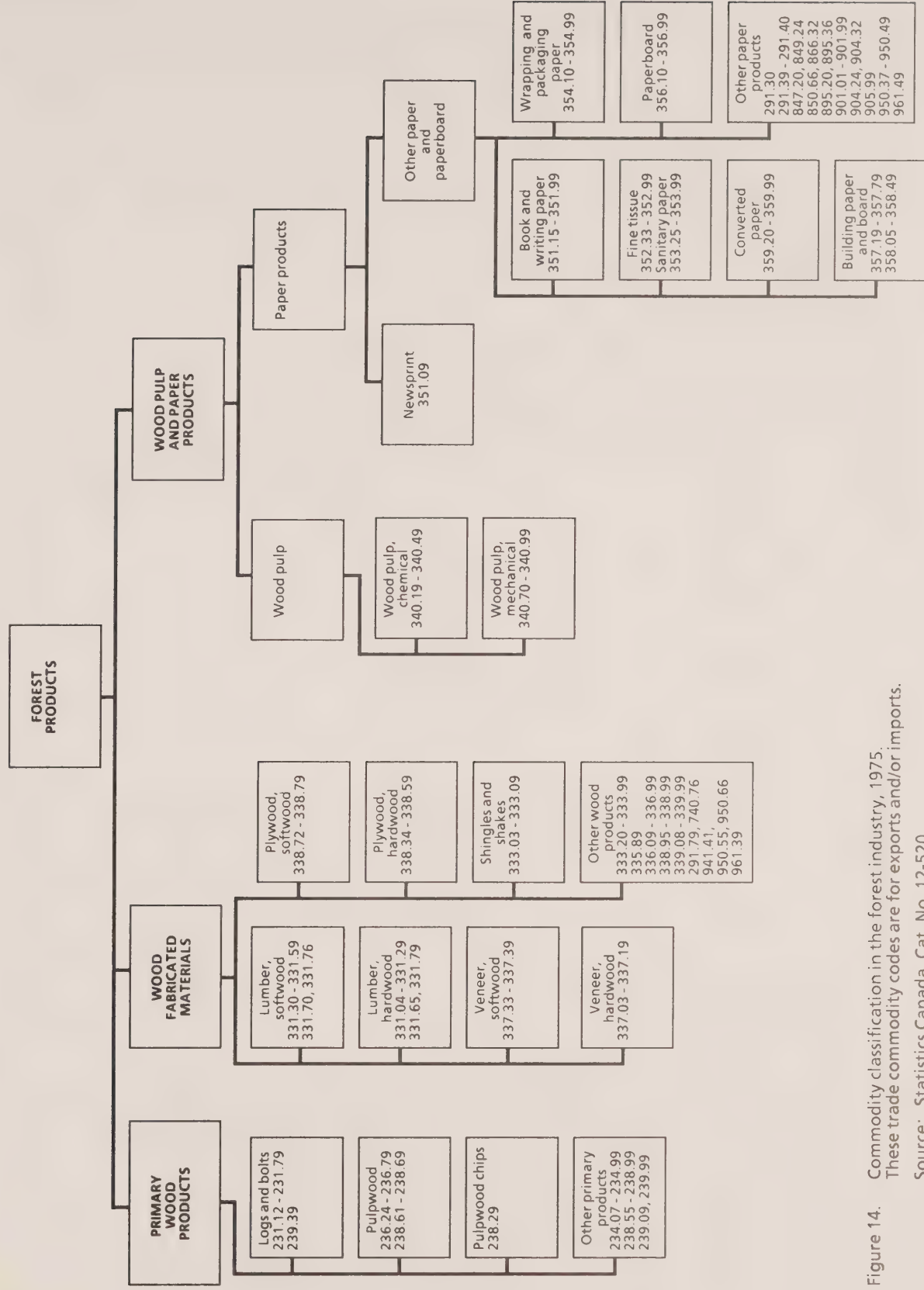


Figure 14. Commodity classification in the forest industry, 1975.  
These trade commodity codes are for exports and/or imports.  
Source: Statistics Canada, Cat. No. 12-520.



III - 2. CANADIAN EXPORTS (VALUE) BY COMMODITY GROUP, 1970-1985

Year	Forest products										Agriculture				Chemicals and fertilizers		Energy		Mines		Re-exports
	Lumber		Wood pulp	News-print	Other paper-board	Other forest products	Total <sup>a</sup>	Farm products <sup>b</sup>		Fish products	Minerals	Other	Minerals <sup>c</sup>	Electricity	Other metals and minerals <sup>d</sup>	Other products	Total				
	Soft-woods	Total																			
\$000 000																					
1970	638	664	785	1 110	166	230	2 955	1 616	252	335	181	1 007	34	4 055	5 966	16 401	419				
1971	799	830	798	1 084	173	227	3 112	1 838	274	373	156	1 276	48	3 642	6 678	17 397	423				
1972	1 128	1 174	830	1 158	222	262	3 646	2 018	337	389	156	1 701	68	3 698	7 657	19 671	479				
1973	1 559	1 599	1 082	1 288	286	323	4 578	2 677	480	477	194	2 403	109	4 780	9 140	24 838	583				
1974	1 254	1 290	1 889	1 726	424	297	5 626	3 459	411	678	258	4 944	175	6 073	10 050	31 675	767				
1975	949	973	1 834	1 746	304	270	5 127	3 700	447	683	265	5 405	104	5 612	11 205	32 548	780				
1976	1 611	1 649	2 186	2 003	375	362	6 575	3 710	585	868	332	5 279	162	6 626	13 513	37 650	825				
1977	2 339	2 387	2 158	2 382	468	532	7 927	3 816	792	1 066	512	5 315	377	7 601	16 278	43 684	870				
1978	3 158	3 229	2 181	2 886	616	717	9 629	4 200	1 102	1 248	652	6 196	479	8 620	20 134	52 260	923				
1979	3 821	3 901	3 083	3 222	824	860	11 890	5 024	1 290	1 864	855	8 995	729	11 247	22 424	64 317	1 324				
1980	3 263	3 352	3 873	3 684	1 012	898	12 819	7 012	1 251	2 384	1 046	10 997	773	15 298	22 867	74 446	1 713				
1981	2 913	2 989	3 819	4 326	983	858	12 975	7 958	1 483	2 704	1 240	11 514	1 123	14 892	27 447	81 336	2 475				
1982	2 847	2 913	3 221	4 086	1 028	853	12 101	8 639	1 583	2 368	1 234	12 083	1 120	12 563	30 134	81 825	2 705				
1983	3 896	3 965	3 049	3 956	1 142	1 106	13 218	8 865	1 544	2 557	1 447	11 862	1 228	12 711	34 723	88 155	2 458				
1984	4 182	4 257	3 906	4 784	1 417	1 370	15 734	9 257	1 576	3 019	1 766	14 245	1 378	15 731	46 732	109 437	2 947				
1985	4 524	4 595	3 394	5 407	1 472	1 359	16 227	7 811	1 823	2 801	2 085	16 155	1 425	16 155	51 431	115 913	3 330				

<sup>a</sup>Re-exports not included in forest products.

<sup>b</sup>Farm products: Food, feed, and beverages, including live animals and tobacco.

<sup>c</sup>Energy-minerals: coal and other crude bituminous substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.

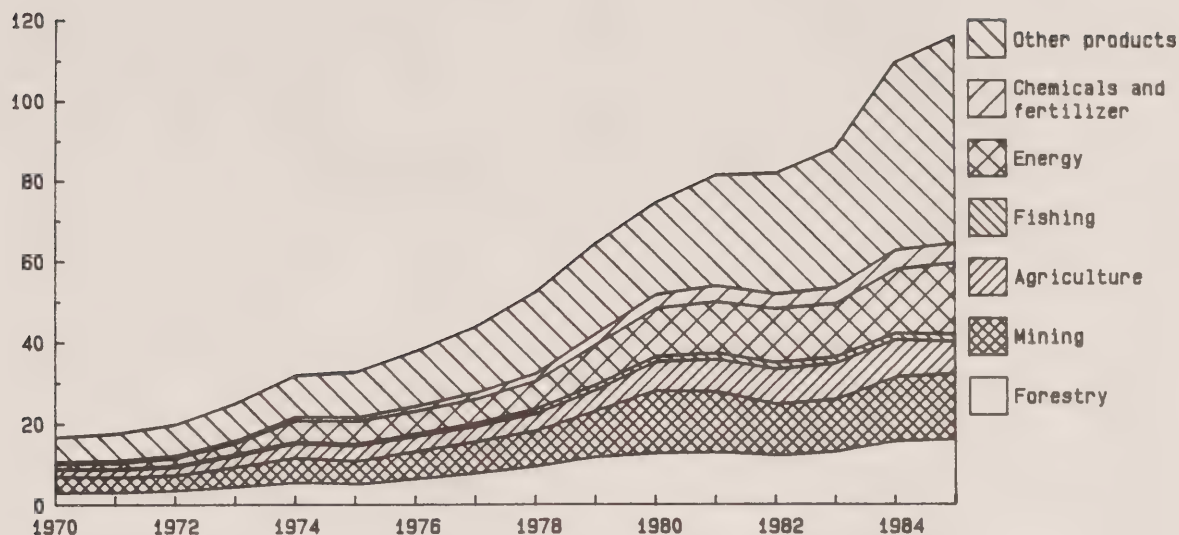
<sup>d</sup>Other metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal fabricated basic products, asbestos unmanufactured, sulphur and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

# EXPORTS OF CANADIAN PRODUCTS

Billions of dollars

61

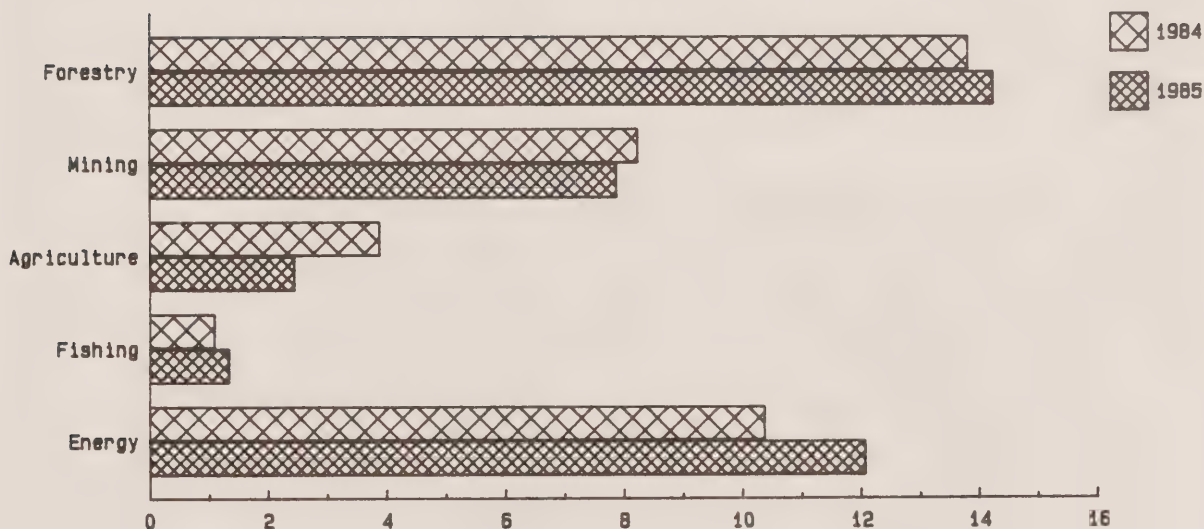


**Figure 15.** Exports of Canadian products by commodity group, 1970-1985.

Source: Statistics Canada, Cat No. 65-202 and special compilation.

## NET TRADE BALANCE

Billions of dollars



**Figure 16.** Contribution to net trade balance by commodity group, 1984-1985.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

111 - 3. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY PROVINCE OR REGION OF LADING 1970-1983  
AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1984-1985

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
\$000 000														
<b>A. Province or region of lading</b>														
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	2 955
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	3 112
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	3 646
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	4 578
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	5 626
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	5 127
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	6 575
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	7 927
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	9 629
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	11 890
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	12 819
1981	325	1	356	954	1 636	3 404	2 513	124	141	330	595	4 855	1	13 003
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	12 101
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	13 218
<b>B. Province or region of lading/origin</b>														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	15 734
1985	318	2	357	1 019	1 696	4 140	3 437	178	105	407	690	6 264	--	16 227

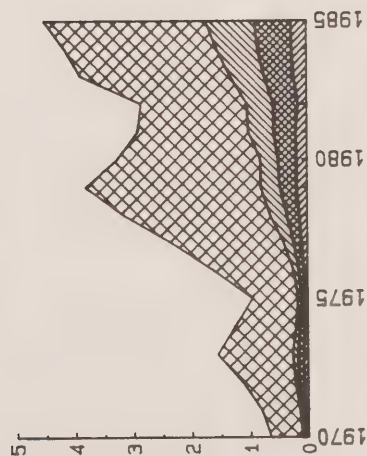
<sup>a</sup>Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

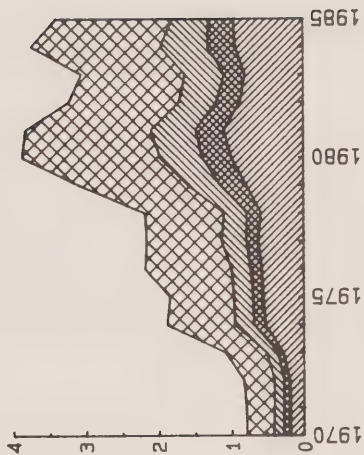
# EXPORTS BY REGION OF LADING/ORIGIN

Billions of dollars

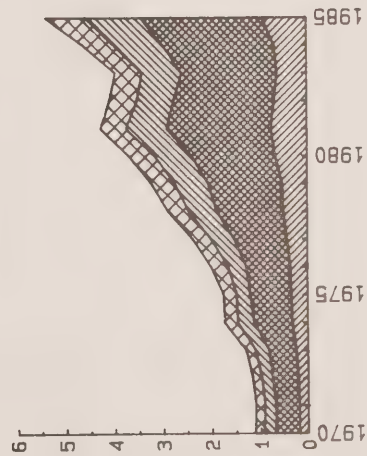
## SOFTWOOD LUMBER



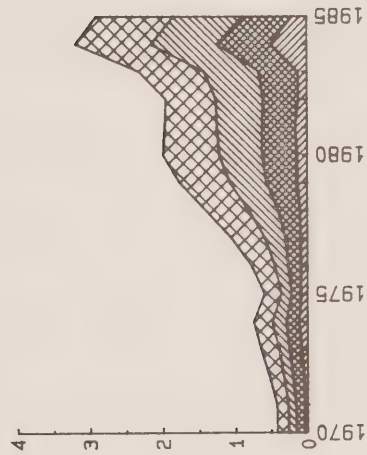
## WOOD PULP



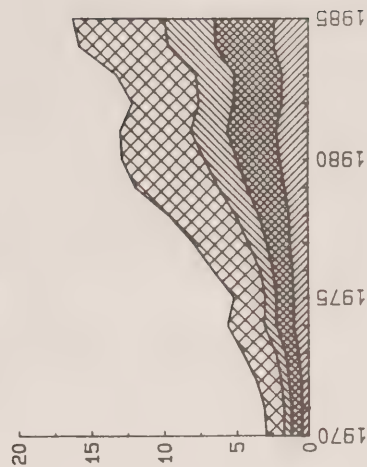
## NEWSPRINT



## OTHER FOREST PRODUCTS



## TOTAL FOREST PRODUCTS



**Figure 17.** Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1985.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.



III - 4. EXPORTS<sup>a</sup> AND IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1986

Year	Particle-board and wood building board					Wood-pulp	News-print	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada		Forest products (%)
	Lumber		Total	Total forest products	Total products										
	Softwoods	Plywood and veneer													
\$000 000															
A. Exports															
1970	638	73	664	-	-	785	1 110	167	27	11	40	81	2 958	16 820	17.6
1971	799	71	830	-	-	798	1 084	174	19	17	28	95	3 116	17 820	17.5
1972	1 128	97	1 174	-	-	830	1 158	222	14	13	20	122	3 650	20 150	18.1
1973	1 559	128	1 600	-	-	1 082	1 288	287	12	16	19	150	4 582	25 421	18.0
1974	1 255	107	1 292	-	-	1 889	1 726	425	13	14	36	129	5 631	32 442	17.4
1975	949	90	975	-	-	1 834	1 746	305	11	14	36	119	5 130	33 328	15.4
1976	1 611	102	1 653	-	-	2 186	2 003	378	12	22	40	189	6 585	38 475	17.1
1977	2 339	149	2 389	-	-	2 158	2 382	471	12	35	59	280	7 935	44 554	17.8
1978	3 158	212	3 230	-	-	2 181	2 886	618	14	49	53	391	9 634	53 183	18.1
1979	3 821	248	3 903	-	-	3 083	3 222	827	15	54	77	469	11 898	65 641	18.1
1980	3 265	237	3 368	-	-	3 873	3 684	1 015	26	91	89	459	12 842	76 159	16.9
1981	2 916	222	3 029	-	-	3 819	4 326	966	25	98	77	490	13 053	83 811	15.6
1982	2 848	215	2 954	-	-	3 221	4 086	1 016	8	98	120	470	12 188	84 530	14.4
1983	3 896	258	3 997	92	92	3 049	3 956	1 148	12	89	174	486	13 261	90 613	14.6
1984	4 182	273	4 299	157	157	3 906	4 784	1 427	11	85	263	588	15 793	112 384	14.1
1985	4 524	249	4 630	201	201	3 399	5 408	1 486	8	83	203	623	16 290	119 241	13.7
1986 <sup>b</sup>	4 862	238	4 950	182	182	4 072	5 667	1 733	12	77	225	698	17 854	120 495	14.8
B. Imports															
1970	22	28	38	6	6	10	-	107	3	-	27	45	264	13 952	1.9
1971	27	37	45	11	11	15	-	120	3	-	30	53	313	15 618	2.0
1972	38	60	67	15	15	17	-	145	5	-	47	70	426	18 669	2.3
1973	60	78	99	23	23	17	-	188	4	-	50	105	564	23 325	2.4
1974	71	117	114	33	33	19	-	282	8	-	64	152	790	31 722	2.5
1975	71	124	110	30	30	30	-	346	9	-	56	160	864	34 716	2.5
1976	95	97	164	29	29	33	-	432	8	-	55	174	992	37 494	2.6
1977	96	72	171	25	25	35	-	402	11	5	51	199	972	42 363	2.3
1978	94	76	203	25	25	50	-	469	14	6	69	236	1 147	50 108	2.3
1979	127	89	271	26	26	79	-	546	21	6	94	296	1 428	62 871	2.3
1980	108	64	235	23	23	79	-	576	15	2	82	262	1 338	69 274	1.9
1981	130	113	276	29	29	83	-	722	17	3	75	310	1 628	79 482	2.0
1982	72	46	177	15	15	88	-	684	15	4	75	198	1 302	67 856	1.9
1983	123	88	281	21	21	86	-	876	13	7	102	166	1 640	75 520	2.2
1984	108	78	281	24	24	129	-	1 107	13	9	141	183	1 965	95 460	2.1
1985	112	79	281	28	28	132	-	1 141	16	9	157	191	2 034	104 914	1.9

<sup>a</sup>Including re-exports.<sup>b</sup>Re-exports not available.

Source: Statistics Canada Cat. No. 65-202 and 65-203.



III - 5. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1985

Year	Lumber		Particle-board and wood building board				Other				Canada			
	Softwoods	Total	Plywood and veneer	Wood-pulp	Newsprint	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Total forest products	Total products		
\$000 000														
1970	+ 616 <sup>a</sup>	+ 626	+ 45	- 6	+ 775	+1 110	+ 60	+24	+11	+ 13	+ 36	+ 2 694	+ 2 868	
1971	+ 772	+ 785	+ 34	- 11	+ 783	+1 084	+ 54	+16	+17	- 2	+ 42	+ 2 803	+ 2 202	
1972	+1 090	+1 107	+ 37	- 15	+ 813	+1 158	+ 77	+ 9	+13	- 27	+ 52	+ 3 224	+ 1 481	
1973	+1 499	+1 501	+ 50	- 23	+1 065	+1 288	+ 99	+ 8	+16	- 31	+ 45	+ 4 018	+ 2 096	
1974	+1 184	+1 175	- 7	- 33	+1 870	+1 726	+143	+ 5	+14	- 28	- 23	+ 4 841	+ 720	
1975	+ 878	+ 865	- 34	- 30	+1 804	+1 746	- 41	+ 2	+14	- 20	- 41	+ 4 266	- 1 388	
1976	+1 516	+1 489	+ 5	- 29	+2 153	+2 003	- 54	+ 4	+22	- 15	+ 15	+ 5 593	+ 981	
1977	+2 243	+2 218	+ 77	- 25	+2 123	+2 382	+ 69	+ 1	+30	+ 8	+ 81	+ 6 963	+ 2 191	
1978	+3 064	+3 027	+136	- 25	+2 131	+2 886	+149	-	+43	- 16	+155	+ 8 487	+ 3 075	
1979	+3 694	+3 632	+159	- 26	+3 004	+3 222	+281	- 6	+48	- 17	+173	+10 470	+ 2 770	
1980	+3 157	+3 133	+173	- 23	+3 794	+3 684	+439	+11	+89	+ 7	+197	+11 504	+ 6 885	
1981	+2 786	+2 753	+109	- 29	+3 736	+4 326	+244	+ 8	+95	+ 2	+180	+11 425	+ 4 329	
1982	+2 776	+2 777	+169	- 15	+3 133	+4 086	+332	- 7	+94	+ 45	+272	+10 886	+16 674	
1983	+3 773	+3 716	+170	+ 71	+2 963	+3 956	+272	- 1	+82	+ 72	+320	+11 621	+15 005	
1984	+4 074	+4 018	+195	+133	+3 777	+4 784	+320	- 2	+76	+122	+405	+13 828	+16 924	
1985	+4 412	+4 349	+170	+173	+3 267	+5 408	+345	- 8	+74	+ 46	+432	+14 256	+14 327	

<sup>a</sup>The + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

Year	Logs and bolts	Pulpwood	Wood chips	Lumber		Shingles and shakes	Wood pulp	Newsprint	Other paper and paperboard
				Softwoods	Total				
	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 +	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>2</sup>	1 000 +	1 000 +	1 000 +
<b>A. Exports</b>									
1950	..	..	194	7 971	8 399	27 164	1 675	4 480	106
1960	..	..	718	10 494	10 768	18 120	2 360	5 616	211
1970	1 295	2 636	881	17 299	17 621	20 462	5 063	7 339	626
1971	786	1 857	768	19 775	20 121	24 321	5 150	7 075	714
1972	332	1 398	607	22 761	23 112	25 126	5 615	7 353	863
1973	230	1 267	722	23 186	23 534	25 018	6 054	7 628	898
1974	752	1 202	588	19 283	19 562	19 358	6 526	7 910	913
1975	416	947	471	15 309	15 466	18 798	4 997	6 354	664
1976	569	905	704	22 613	22 832	24 841	6 116	7 000	788
1977	928	764	916	28 817	29 059	28 206	6 096	7 267	1 369
1978	670	891	1 111	31 419	31 715	33 369	6 641	7 868	1 610
1979	856	797	1 165	31 285	31 548	33 221	7 102	7 778	1 733
1980	1 164	1 066	1 343	29 016	29 290	32 638	7 253	7 718	1 931
1981	963	903	1 307	27 263	27 506	30 786	6 999	7 986	1 646
1982	1 260	287	1 131	27 566	27 807	30 303	6 115	7 081	1 644
1983	2 274	434	1 387	33 887	34 113	38 137	6 806	7 379	1 942
1984	3 408	408	1 305	37 066	37 335	42 427	7 030	8 127	2 040
1985	2 517	378	1 118	38 626	38 867	43 776	7 025	8 275	1 992
<b>B. Imports</b>									
1950	..	..	-	98	187	10	33	-	23
1960	..	..	-	326	544	101	58	-	139
1970	1 608	304	-	399	597	1 642	47	-	199
1971	1 822	281	-	458	716	796	75	-	249
1972	2 668	445	-	545	905	574	96	-	297
1973	2 261	339	-	704	1 075	287	83	-	332
1974	1 882	651	-	753	1 124	865	56	-	432
1975	1 658	555	-	856	1 187	-	82	-	516
1976	1 947	494	-	935	1 512	-	84	-	645
1977	1 764	585	-	764	1 228	-	87	-	449
1978	2 013	672	145	625	1 145	-	129	-	429
1979	2 364	897	160	785	1 409	-	173	-	417
1980	2 039	559	96	671	1 197	-	145	-	380
1981	1 631	591	86	807	1 361	-	141	-	501
1982	1 577	500	51	506	895	-	150	-	393
1983	2 359	457	97	773	1 341	-	292	-	528
1984	2 807	440	118	626	1 203	-	374	-	641
1985	2 963	556	157	663	1 197	-	387	-	659

<sup>a</sup>Excluding re-exports.

# III - 7. APPARENT DOMESTIC CONSUMPTION<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1985

Year	Logs and bolts 1 000 m <sup>3</sup>	Lumber			Wood pulp 1 000 +	Newsprint 1 000 +	Other paper and paperboard 1 000 +
		Pulpwood 1 000 m <sup>3</sup>	Softwoods 1 000 m <sup>3</sup>	Total 1 000 m <sup>3</sup>			
1950	..	..	6 537	7 253	6 045	345	1 272
1960	..	..	7 694	8 683	8 096	452	1 955
1970	75 957	38 070	8 549	9 564	11 593	657	2 829
1971	80 984	35 326	9 648	10 622	11 468	658	2 963
1972	83 547	37 475	9 508	10 793	11 934	726	3 237
1973	98 917	41 450	12 697	14 185	12 592	729	3 660
1974	86 425	47 483	12 150	13 686	13 208	800	4 027
1975	74 785	36 671	11 859	13 026	10 198	656	2 908
1976	98 513	36 421	13 960	15 502	11 914	1 063	3 585
1977	104 543	36 553	12 541	13 897	12 159	799	3 150
1978	112 879	37 820	12 782	14 317	13 640	871	3 456
1979	115 941	40 342	15 064	16 561	13 799	864	3 683
1980	110 832	38 276	15 179	16 902	13 579	650	3 466
1981	96 986	40 892	12 781	14 072	13 714	947	3 878
1982	89 186	31 297	9 304	10 540	12 549	704	3 437
1983	111 354	38 113	14 510	15 894	13 681	1 082	3 591
1984	116 653	42 083	11 268	12 857	13 808	823	4 010
1985	..	..	14 550	16 191	13 907	713	3 997

<sup>a</sup>Apparent domestic consumption = Production + Imports - Exports.

Source: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.

III - 8. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada <sup>b</sup>
							\$000						
<b>A. Primary wood products</b>	<b>1 117</b>	<b>47</b>	<b>11 021</b>	<b>14 782</b>	<b>26 967</b>	<b>15 328</b>	<b>3 748</b>	<b>334</b>	<b>200</b>	<b>1 282</b>	<b>1 816</b>	<b>245 142</b>	<b>293 488</b>
Logs, bolts - Total	137	-	7	2 398	2 542	1 943	790	29	-	-	29	158 118	163 908
- Softwood logs	-	-	-	820	820	34	74	9	-	-	9	156 076	157 494
Pulpwood - Total	942	1	876	3 434	5 253	2 899	12	222	-	-	222	13	8 399
- Unpeeled	-	-	3	3 261	3 264	2 220	7	9	-	-	9	8	5 509
Wood chips	-	-	1	5 474	5 475	2 577	1 173	-	-	-	-	74 010	83 235
Other primary products	38	46	10 137	3 476	13 697	7 909	1 772	83	200	1 282	1 565	13 002	37 946
<b>B. Wood-fabricated materials</b>	<b>266</b>	<b>654</b>	<b>8 548</b>	<b>104 473</b>	<b>113 941</b>	<b>855 217</b>	<b>1 131 805</b>	<b>91 220</b>	<b>24 996</b>	<b>153 410</b>	<b>269 626</b>	<b>3 289 511</b>	<b>5 660 641</b>
Lumber - Softwoods	203	302	6 213	72 267	78 985	620 541	840 714	84 809	14 501	104 292	203 602	2 779 237	4 523 590
- Hardwoods	26	14	387	1 800	2 227	32 242	34 275	1 313	7	58	1 378	1 607	71 728
Shingles and shakes	-	-	108	8 725	8 833	15 357	383	75	10	131	216	232 627	257 418
Veneer - Softwoods	-	-	-	31	31	620	2 146	-	-	48	48	11 903	14 747
- Hardwoods	-	-	76	546	698	33 914	45 913	-	-	148	148	2 142	82 815
Plywood - Softwoods	2	210	35	18	265	503	365	13	-	274	287	118 865	120 285
- Hardwoods	-	-	79	8	87	8 487	17 725	-	-	92	92	2 284	28 675
Other wood products	35	52	1 649	21 079	22 815	143 554	190 284	5 009	10 478	48 368	63 855	140 847	561 385
<b>C. Wood pulp and paper products</b>	<b>316 159</b>	<b>888</b>	<b>337 525</b>	<b>900 087</b>	<b>1 554 660</b>	<b>3 269 536</b>	<b>2 301 232</b>	<b>86 297</b>	<b>79 871</b>	<b>252 007</b>	<b>418 175</b>	<b>2 729 576</b>	<b>10 273 178</b>
Wood pulp - Total	-	72	144 506	494 093	638 671	335 958	501 180	7 776	75 496	240 165	323 437	1 594 547	3 393 791
- Chemical	-	72	144 370	390 609	535 051	335 348	501 179	7 751	75 496	240 142	323 389	1 518 979	3 213 945
Paper products	316 159	817	193 020	405 995	915 991	2 933 578	1 800 052	78 521	4 375	11 841	94 737	1 135 029	6 879 387
Newsprint	315 842	641	184 399	378 785	879 667	2 501 444	1 139 022	55 239	202	75	55 516	831 720	5 407 368
Other paper and paperboard	317	176	8 620	27 210	36 323	432 134	661 030	23 282	4 173	11 767	39 222	303 309	1 472 019
Book and writing paper	240	51	-	38	329	173 182	291 473	201	-	91	292	64 397	529 674
Fine paper	-	16	-	-	16	27 881	62 740	-	-	23	23	25 337	115 996
Tissue and sanitary	-	-	-	2	2	11 255	26 749	11	-	21	32	15 083	53 122
Wrapping and packaging	-	-	42	2	44	16 527	25 864	13 645	100	89	13 834	69 181	125 449
Paperboard	-	-	17	25 306	25 323	61 174	26 162	109	10	299	418	87 137	200 214
Building paper and board	7	50	7 750	782	8 589	50 285	63 399	6 044	717	7 947	14 708	15 066	152 045
Converted paper	9	2	165	38	214	27 878	81 726	268	-	1 378	1 646	1 173	112 638
Misc. paper products	62	57	646	1 041	1 806	63 952	82 917	3 004	3 347	1 919	8 270	25 936	182 881
<b>Total forest products</b>	<b>317 542</b>	<b>1 589</b>	<b>357 094</b>	<b>1 019 342</b>	<b>1 695 567</b>	<b>4 140 081</b>	<b>3 436 785</b>	<b>177 851</b>	<b>105 067</b>	<b>406 699</b>	<b>689 617</b>	<b>6 264 229</b>	<b>16 227 308</b>

<sup>a</sup>Excluding re-exports.<sup>b</sup>Includes Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 9. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1985

Commodity	Nfld.	P.E.-I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada <sup>b</sup>
<b>A. Primary wood products</b>													
Logs, bolts - Total (1 000 m <sup>3</sup> )	1	-	--	77	79	13	6	--	-	--	--	2 415	2 517
- Softwood logs	-	-	-	43	43	1	1	--	-	-	--	2 364	2 414
Pulpwood - Total (1 000 m <sup>3</sup> )	25	--	32	199	257	102	--	19	-	-	19	--	378
- Unpeeled	-	-	--	193	193	80	--	--	-	-	--	--	274
Wood chips (1 000 t)	-	-	--	121	121	36	16	-	-	-	-	946	1 117
<b>B. Wood-fabricated materials</b>													
Lumber - Softwoods (1 000 m <sup>3</sup> )	2	2	49	606	659	5 178	7 008	702	134	1 206	2 043	23 734	38 626
- Hardwoods	--	--	1	14	15	98	113	10	--	--	10	6	241
Shingles and shakes (1 000 m <sup>2</sup> )	-	-	35	1 738	1 774	3 126	109	11	11	25	47	38 720	43 776
Veneer - Softwoods (1 000 m <sup>3</sup> )	-	-	-	--	--	2	24	-	-	--	--	56	82
- Hardwoods	-	--	--	1	1	41	56	-	-	--	--	3	101
Plywood - Softwoods (1 000 m <sup>3</sup> )	--	1	--	--	1	2	1	--	-	1	1	414	418
- Hardwoods	-	-	--	--	--	14	34	-	-	--	--	4	53
Other wood products (1 000 m <sup>3</sup> )	-	--	10	26	36	242	536	10	58	213	281	367	1 463
<b>C. Wood pulp and paper products</b>													
paper products (1 000 t)	578	2	593	1 689	2 862	4 733	3 410	152	179	499	830	5 456	17 291
Wood pulp - Total	-	--	298	1 015	1 313	600	928	18	173	474	665	3 518	7 025
- Chemical	-	--	297	762	1 059	598	928	18	173	474	665	3 314	6 565
Paper products	578	2	295	675	1 549	4 133	2 482	134	6	26	165	1 937	10 266
Newsprint	578	2	281	604	1 464	3 632	1 701	88	--	--	89	1 389	8 275
Other paper and paperboard	--	--	14	71	85	502	781	46	5	25	76	548	1 992
Book and writing paper	--	--	-	--	--	203	369	--	-	--	--	78	651
Fine paper	-	--	-	-	--	30	67	--	-	--	--	23	120
Tissue and sanitary	-	-	-	--	--	12	25	--	-	--	--	17	53
Wrapping and packaging	-	-	--	--	--	15	19	28	--	--	29	148	211
Paperboard	-	-	--	68	68	121	56	--	--	--	1	246	492
Building paper and board	--	--	14	2	16	112	226	17	5	24	46	35	434
Converted paper	--	-	--	--	--	9	19	--	-	1	1	1	30

<sup>a</sup>Excluding re-exports

<sup>b</sup>Includes Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.



## 111 - 10. IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces				Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada <sup>a</sup>

<sup>a</sup>Includes Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
<b>A. Primary wood products</b>													
Logs, bolts - Total (1 000 m <sup>3</sup> )	-	-	--	156	156	2 546	183	1	--	-	1	77	2 963
- Softwood logs	-	-	--	117	117	2 247	74	--	-	-	--	77	2 516
Pulpwood - Total (1 000 m <sup>3</sup> )	-	-	--	1	1	28	360	-	-	-	-	184	573
- Unpeeled	-	-	--	1	1	27	344	-	-	-	-	184	556
Wood chips (1 000 t)	--	-	-	147	147	-	5	--	--	--	--	5	157
<b>B. Wood-fabricated materials</b>													
Lumber - Softwoods (1 000 m <sup>3</sup> )	-	--	--	39	40	85	168	12	2	8	21	349	663 <sup>a</sup>
- Hardwoods	--	--	7	5	12	172	281	26	5	9	40	28	534
Shingles and shakes (1 000 m <sup>2</sup> )	-	-	--	-	-	-	-	-	-	-	-	-	-
Veneer - Softwoods (1 000 m <sup>3</sup> )	-	-	--	-	-	4	2	-	--	--	--	50	57
- Hardwoods	-	-	--	-	-	9	11	--	--	--	1	2	22
Plywood - Softwoods (1 000 m <sup>3</sup> )	-	-	--	-	-	1	11	--	--	--	--	4	16
- Hardwoods	-	-	--	-	-	27	25	--	-	--	--	33	85
Other wood products (1 000 m <sup>3</sup> )	-	-	--	1	1	39	39	2	--	8	10	63	153
<b>C. Wood pulp and paper products (1 000 t)</b>	3	--	2	41	47	225	465	32	2	17	51	95	883
Wood pulp - Total	-	-	--	11	11	65	117	-	-	1	1	30	224
- Chemical	-	-	--	11	11	59	114	-	-	1	1	30	215
Paper products	3	--	2	30	35	160	349	32	2	16	51	65	659
Newsprint	-	-	--	-	-	-	-	-	-	-	-	-	-
Other paper and paperboard	3	--	2	30	35	160	349	32	2	16	51	65	659
Book and writing paper	--	-	--	18	18	45	82	7	--	4	11	8	164
Fine paper	--	-	--	6	6	18	50	7	--	2	9	9	93
Tissue and sanitary	--	-	--	--	--	6	6	--	--	--	--	--	13
Wrapping and packaging	--	-	--	2	2	15	19	10	--	--	10	1	48
Paperboard	3	-	1	3	8	39	119	6	--	9	15	28	208
Building paper and board	--	--	--	--	--	25	22	2	1	--	3	12	63
Converted paper	--	-	--	--	1	12	50	1	--	1	2	6	71

<sup>a</sup>Including Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1985

Commodity	Europe					Asia			
	United States	South and Central America	Africa	United Kingdom	Other EEC	Scandinavia	Europe	Japan	Oceania
<b>A. Primary wood products</b>	102 341	901	303	35	4 147	2 878	7 159	149 483	182 761
Logs, bolts - Total	22 939	-	-	30	1 695	137	1 961	106 714	138 988
- Softwood logs	20 672	-	-	1	23	-	26	106 448	136 774
Pulpwood - Total	5 927	-	-	-	1 646	-	1 646	-	827
- Unpeeled	5 509	-	-	-	-	-	-	-	-
Wood chips	36 950	-	-	-	775	2 741	3 516	42 769	42 769
Other primary products	36 526	901	303	6	31	-	37	-	177
<b>B. Wood-fabricated materials</b>	4 686 172	29 245	29 364	193 297	158 504	3 773	364 402	407 164	466 597
Lumber - Softwoods	3 741 655	24 341	27 516	114 840	82 347	-	203 072	398 246	445 281
- Hardwoods	33 594	1 481	745	9 377	16 670	1 291	27 968	3 233	7 887
Shingles and shakes	254 176	143	22	448	1 782	-	2 335	72	164
Veneer - Softwoods	14 563	39	-	-	21	-	45	83	99
- Hardwoods	67 015	25	283	451	6 284	1 623	9 345	552	6 080
Plywood - Softwoods	9 425	381	34	57 496	46 313	636	105 117	4 468	4 478
- Hardwoods	28 417	67	8	-	161	-	161	-	13
Other wood products	537 326	2 768	756	10 686	4 926	223	16 359	510	2 594
<b>C. Wood pulp and paper products</b>	7 729 774	282 125	50 157	353 641	703 643	21 127	1 114 564	486 984	994 254
Wood pulp - Total	1 827 639	47 401	12 108	161 874	615 891	16 335	827 479	396 070	649 132
- Chemical	1 748 015	41 562	12 108	119 084	612 885	16 335	781 681	356 860	600 547
Paper products	5 902 135	234 725	38 049	191 766	87 753	4 792	287 085	90 913	345 122
Newsprint	4 688 940	183 280	23 692	158 724	54 948	44	216 157	48 560	238 807
Other paper and paperboard	1 213 195	51 443	14 357	33 042	32 805	4 748	70 927	42 354	106 315
Book and writing paper	512 447	3 867	1 448	90	85	-	199	6 187	9 224
Fine paper	99 882	6 745	782	262	113	-	412	16	6 009
Tissue and sanitary	47 481	872	475	994	66	5	1 065	-	987
Wrapping and packaging	59 663	6 241	4 480	12 601	7 403	1 663	21 667	14 298	33 282
Paperboard	85 713	22 312	4 360	13 494	21 974	2 452	37 921	19 850	49 594
Building paper and board	148 102	779	1	1 287	778	6	2 084	810	986
Converted paper	105 053	979	1 591	2 312	296	300	2 967	92	479
Misc. paper products	154 855	9 647	1 221	2 002	2 089	323	4 612	1 100	5 752
<b>Total forest products</b>	12 518 288	312 271	79 824	546 973	866 294	27 778	1 486 125	1 043 631	1 643 613
								184 618	16 227 308

<sup>a</sup>Excluding re-exports.

Includes St. Pierre and Miquelon and Greenland.

Source: Statistics Canada Special Compilation, International Trade Division.

Commodity	United States	South and Central America	Africa	Europe				Asia				Oceania	World
				United Kingdom	Other EEC	Scandi- navia	Europe	Japan	Asia				
<b>A. Primary wood products</b>													
Logs, bolts - Total (1 000 m <sup>3</sup> )	519	-	-	--	8	1	10	1 461	1 988	--	--	2 517	
- Softwood logs	467	-	-	--	8	-	1	1 457	1 946	--	--	2 414	
Pulpwood - Total (1 000 m <sup>3</sup> )	290	-	-	-	66	-	66	-	21	-	-	378	
- Unpeeled	274	-	-	-	-	-	-	-	-	-	-	274	
Wood chips (1 000 t)	579	-	-	-	8	45	53	485	485	-	-	1 118	
<b>B. Wood-fabricated materials</b>													
Lumber - Softwoods (1 000 m <sup>3</sup> )	33 811	189	199	868	391	-	1 280	2 348	2 745	397	-	38 626	
- Hardwoods	170	4	2	17	28	2	48	7	18	-	-	241	
Shingles and shakes (1 000 m <sup>2</sup> )	43 295	29	4	59	252	-	326	9	26	86	-	43 776	
Veneer - Softwoods (1 000 m <sup>3</sup> )	81	--	-	-	--	-	--	1	1	-	-	82	
- Hardwoods	83	--	-	--	7	2	11	1	7	-	-	101	
Plywood - Softwoods (1 000 m <sup>3</sup> )	17	1	--	214	158	3	377	20	20	3	-	418	
- Hardwoods	51	--	--	-	1	-	1	-	--	-	-	53	
Other wood products (1 000 m <sup>3</sup> )	1 443	--	-	9	3	--	13	--	5	1	-	1 463	
<b>C. Wood pulp and paper products (1 000 t)</b>													
Wood pulp - Total	11 987	518	84	677	1 506	47	2 311	1 075	2 208	181	-	17 291	
- Chemical	3 551	110	27	337	1 333	36	1 783	873	1 487	66	-	7 025	
Paper products	8 436	407	57	340	173	11	529	201	721	116	-	6 565	
Newsprint	6 949	325	38	273	92	--	370	100	483	109	-	8 275	
Other paper and paperboard	1 487	82	19	67	81	11	159	101	237	7	-	1 992	
Book and writing paper	627	5	2	--	--	-	--	10	15	3	-	651	
Fine paper	102	7	1	--	--	-	--	--	8	2	-	120	
Tissue and sanitary	49	1	1	--	--	--	1	-	1	1	-	53	
Wrapping and packaging	72	12	7	30	18	4	52	30	67	--	-	211	
Paperboard	184	56	7	33	59	8	100	60	144	--	-	492	
Building paper and board	425	2	--	2	3	--	5	2	3	--	-	434	
Converted paper	27	--	1	1	--	--	1	--	--	1	-	30	

<sup>a</sup>Excluding re-exports.

<sup>b</sup>Includes St. Pierre and Miquelon and Greenland.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 14. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces			Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada	%
									\$000							
<b>United States</b>	86 537	716	278 824	665 559	1 031 636	3 726 384	3 343 605	173 622	70 882	401 256	645 760	3 770 340	12 518 288	77.1		
Softwood lumber	111	302	585	65 847	66 845	586 216	838 485	83 694	14 473	104 057	202 224	2 047 382	3 741 655			
Wood pulp	-	72	87 370	286 287	373 729	227 252	484 269	7 652	41 407	235 114	284 173	458 217	1 827 639			
Newsprint	86 108	12	172 040	257 036	515 196	2 309 320	1 138 667	55 239	202	75	55 516	670 241	4 688 940			
<b>Central America</b>	29 109	28	3 456	25 185	57 778	38 110	14 506	233	-	23	256	52 035	162 686	1.0		
Softwood lumber	26	-	2	155	183	10 611	1 544	4	-	-	4	11 696	24 037			
Wood pulp	-	-	-	1 089	1 089	36	-	36	-	23	59	16 859	18 043			
Newsprint	29 083	-	2 648	15 792	47 523	15 181	55	-	-	-	-	10 247	73 006			
<b>South America</b>	38 800	613	10 089	16 530	66 032	34 715	1 784	-	-	-	-	47 053	149 585	0.9		
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	304	304			
Wood pulp	-	-	377	523	900	999	-	-	-	-	-	27 459	29 358			
Newsprint	38 800	613	9 711	12 615	61 739	31 411	40	-	-	-	-	17 083	110 274			
<b>Middle East and North Africa</b>	29 224	-	3 704	4 348	37 276	13 928	1 701	67	-	19	86	62 860	115 852	0.7		
Softwood lumber	-	-	45	-	45	7 650	17	-	-	-	-	34 939	42 651			
Wood pulp	-	-	3 600	3 181	6 781	1 050	-	-	-	-	-	13 443	21 274			
Newsprint	28 851	-	-	-	28 851	1 364	-	-	-	-	-	155	30 370			
<b>United Kingdom</b>	25 673	8	20 100	91 312	137 093	129 860	22 587	1 016	2 801	15	3 832	253 600	546 973	3.4		
Softwood lumber	53	-	5 265	4 306	9 624	11 374	258	-	-	12	12	93 571	114 840			
Wood pulp	-	-	14 746	59 266	74 012	15 131	5 534	-	2 801	-	2 801	64 396	161 874			
Newsprint	25 607	-	-	27 246	52 853	89 533	-	-	-	-	-	16 339	158 724			
<b>Other EEC countries</b>	24 524	209	20 266	99 666	144 665	106 917	26 802	261	10 319	1 059	11 639	576 274	866 294	5.3		
Softwood lumber	13	-	72	1 938	2 023	4 403	55	-	15	-	15	75 852	82 347			
Wood pulp	-	-	18 813	91 023	109 836	61 986	11 238	-	10 274	976	11 250	421 582	615 891			
Newsprint	23 927	-	-	6 396	30 323	20 101	45	-	-	-	-	4 478	54 948			
<b>Scandinavia</b>	137	-	9 076	1 299	10 512	1 905	2 584	81	-	-	81	12 696	27 778	0.2		
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	-	-			
Wood pulp	-	-	9 049	-	9 049	-	-	-	-	-	-	7 286	16 335			
Newsprint	-	-	-	-	-	44	-	-	-	-	-	-	44			



III - 14. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada	%
														\$000
<b>China, People's Rep.</b>	61 574	-	-	13 328	74 902	11 966	31	-	-	-	-	148 256	235 156	1.5
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	-	29 677	
Wood pulp	-	-	-	2 024	2 024	1 591	-	-	-	-	-	-	66 036	
Newsprint	61 574	-	-	11 304	72 878	10 332	-	-	-	-	-	-	98 709	
<b>Japan</b>	128	-	7 544	84 773	92 445	9 979	1 471	1 151	20 704	4 264	26 119	913 151	1 043 631	6.4
Softwood lumber	-	-	-	-	-	5	-	1 090	-	205	1 925	396 937	398 246	
Wood pulp	-	-	7 532	41 550	49 082	5 547	-	-	20 704	4 052	24 756	316 685	396 070	
Newsprint	127	-	-	42 086	42 213	2 317	-	-	-	-	-	4 030	48 560	
<b>Southeast Asia</b>	11 891	-	667	3 161	15 719	10 123	836	1 221	-	7	1 228	65 288	93 194	0.6
Softwood lumber	-	-	-	21	21	-	-	-	-	-	-	47	68	
Wood pulp	-	-	667	222	889	1 938	-	-	-	-	-	-	31 722	
Newsprint	11 891	-	-	2 193	14 084	7 176	83	-	-	-	-	21 702	43 045	
<b>Australia</b>	-	-	189	138	327	5 557	9 201	-	-	11	11	147 596	162 692	1.0
Softwood lumber	-	-	-	-	-	108	10	-	-	11	11	77 605	77 735	
Wood pulp	-	-	-	-	-	-	-	-	-	-	-	27 297	27 297	
Newsprint	-	-	-	-	-	2 697	-	-	-	-	-	38 485	41 182	
<b>Other countries</b>	9 945	15	3 179	14 043	27 182	50 637	11 677	199	361	45	605	215 080	305 179	1.9
Softwood lumber	-	-	244	-	244	174	345	21	13	7	41	11 227	12 031	
Wood pulp	-	-	2 352	8 928	11 280	20 428	139	88	310	-	398	150 007	182 252	
Newsprint	9 874	16	-	4 117	14 007	11 968	132	-	-	-	-	33 461	59 566	
<b>World</b>	317 542	1 589	357 094	1 019 342	1 695 567	4 140 081	3 436 785	177 851	105 067	406 699	689 617	6 264 229	16 227 308	100.00
Softwood lumber	203	302	6 213	72 267	78 985	620 541	840 714	84 809	14 501	104 292	203 602	2 779 237	4 523 590 <sup>b</sup>	
Wood pulp	-	72	144 506	494 093	638 671	335 958	501 180	7 776	75 496	240 165	323 437	1 594 547	3 393 791	
Newsprint	315 842	641	184 399	378 785	879 667	2 501 444	1 139 022	55 239	202	75	55 516	831 720	5 407 368 <sup>b</sup>	

<sup>a</sup>Excluding re-exports.

<sup>b</sup>Includes Yukon; the Yukon exported \$503 000 of softwood lumber to the United States and \$9 000 to Japan.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
<b>United States</b>													
Softwood lumber (m <sup>3</sup> )	1 012	1 949	5 036	563 761	571 758	4 943 969	6 997 790	695 113	134 149	1 205 353	2 034 615	19 258 197	33 811 299 <sup>b</sup>
Wood pulp (+)	-	137	175 209	545 535	720 881	395 962	895 479	17 589	90 305	466 282	574 176	964 145	3 550 642
Newsprint (+)	146 143	20	261 456	368 963	776 582	3 314 145	1 700 455	87 946	344	301	88 591	1 069 216	6 948 988
<b>Central America</b>													
Softwood lumber (m <sup>3</sup> )	193	-	21	1 064	1 278	65 641	6 289	61	-	-	61	114 551	187 821
Wood pulp (+)	-	-	-	4 532	4 532	45	-	73	-	60	133	42 211	46 920
Newsprint (+)	64 093	-	4 385	24 048	92 526	22 434	80	-	-	-	-	15 877	130 917
<b>South America</b>													
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	95	-	-	-	-	-	-	95
Wood pulp (+)	-	-	989	2 137	3 126	1 366	-	-	-	-	-	59 048	63 541
Newsprint (+)	73 358	1 497	14 840	20 369	110 064	55 094	50	-	-	-	-	29 347	194 554
<b>Middle East and North Africa</b>													
Softwood lumber (m <sup>3</sup> )	-	-	314	-	314	58 036	127	-	-	-	-	280 441	338 918
Wood pulp (+)	-	-	7 940	8 027	15 967	2 267	-	-	-	-	-	30 029	48 262
Newsprint (+)	51 157	-	-	-	51 157	-	-	-	-	-	-	300	53 988
<b>United Kingdom</b>													
Softwood lumber (m <sup>3</sup> )	394	-	41 732	28 487	70 613	69 707	904	-	-	109	109	726 783	868 115
Wood pulp (+)	-	-	30 496	116 445	146 941	31 341	10 574	-	5 828	-	5 828	142 682	337 366
Newsprint (+)	48 636	-	-	49 874	98 510	139 752	-	-	-	-	-	34 692	272 954
<b>Other EEC countries</b>													
Softwood lumber (m <sup>3</sup> )	99	-	505	12 778	13 382	38 438	122	-	50	-	50	339 463	391 455
Wood pulp (+)	-	-	40 857	195 781	236 638	108 231	21 796	-	23 519	1 528	25 047	941 387	1 333 099
Newsprint (+)	42 972	-	-	12 601	55 573	27 976	65	-	-	-	-	8 173	91 788
<b>Scandinavia</b>													
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood pulp (+)	-	-	18 232	-	18 232	-	-	-	-	-	-	17 478	35 709
Newsprint (+)	-	-	-	-	-	69	-	-	-	-	-	-	69

111 - 15. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
<b>China, People's Rep.<sup>3</sup></b>													
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	246 076	246 076
Wood pulp (+)	-	-	-	8 374	8 374	3 386	-	-	-	-	-	152 223	163 984
Newsprint (+)	103 830	-	-	28 191	132 021	24 971	-	-	-	-	-	38 390	195 383
<b>Japan</b>													
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	38	-	6 756	-	621	7 377	2 340 749	2 348 236 <sup>b</sup>
Wood pulp (+)	-	-	15 828	111 588	127 416	10 800	-	-	52 983	6 046	59 029	676 170	873 416
Newsprint (+)	254	-	-	88 464	88 718	3 230	-	-	-	-	-	7 742	99 691
<b>Southeast Asia</b>													
Softwood lumber (m <sup>3</sup> )	-	-	-	127	127	-	-	-	-	-	-	255	382
Wood pulp (+)	-	-	1 972	500	2 472	5 650	-	-	-	-	-	73 009	81 131
Newsprint (+)	24 850	-	-	3 985	28 835	14 397	155	-	-	-	-	47 299	90 686
<b>Australia</b>													
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	1 001	68	-	-	31	31	387 472	388 571
Wood pulp (+)	-	-	-	-	-	-	-	-	-	-	-	61 172	61 172
Newsprint (+)	-	-	-	-	-	5 697	-	-	-	-	-	72 131	77 828
<b>Other countries</b>													
Softwood lumber (m <sup>3</sup> )	1	-	1 814	-	1 815	812	2 415	324	115	72	511	39 719	45 274
Wood pulp (+)	-	-	6 285	21 645	27 930	41 278	233	136	759	1	896	358 930	429 267
Newsprint (+)	22 404	16	-	7 744	30 164	21 271	192	-	-	-	-	66 227	117 852
<b>World</b>													
Softwood lumber (m <sup>3</sup> )	1 699	1 949	49 422	606 217	659 287	5 177 737	7 007 715	702 254	134 314	1 206 186	2 042 754	23 733 706	38 626 242
Wood pulp (+)	-	137	297 808	1 014 564	1 312 509	600 326	928 082	17 798 173	394	473 917	665 109	3 518 484	7 024 509
Newsprint (+)	577 697	1 533	280 681	604 239	1 464 150	3 631 567	1 700 997	87 946	344	301	88 591	1 389 394	8 274 698

<sup>a</sup>Excluding re-exports.

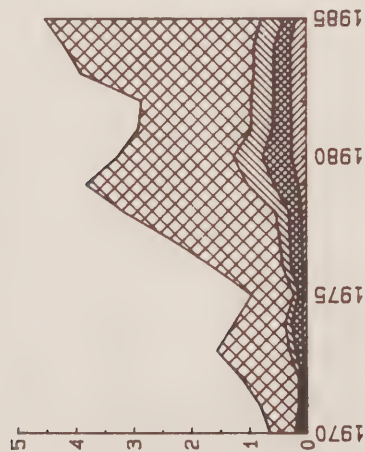
<sup>b</sup>Including Yukon; the Yukon exported 4 970 m<sup>3</sup> of softwood lumber to the United States and 72 m<sup>3</sup> to Japan.

Source: Statistics Canada Source Compilation, International Trade Division.

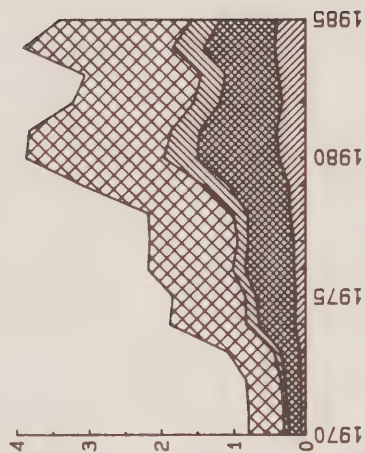
# EXPORTS BY TRADE AREA

Billions of dollars

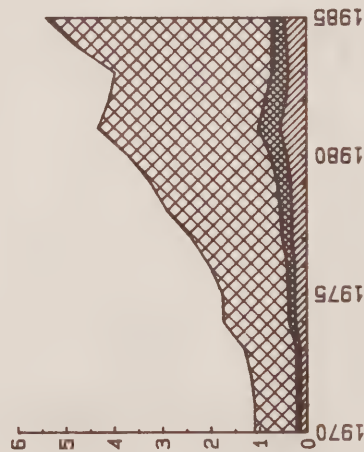
## SOFTWOOD LUMBER



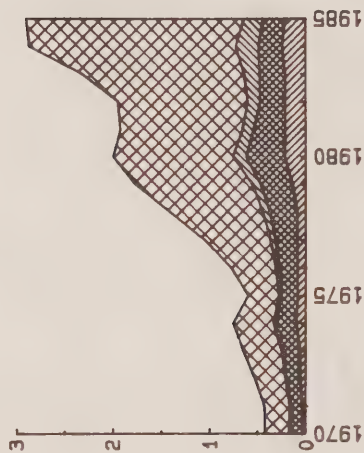
## WOOD PULP



## NEWSPRINT



## OTHER FOREST PRODUCTS



## TOTAL FOREST PRODUCTS



**Figure 18.** Exports of Canadian forest products by commodity group and principal trade area, 1970-1985.

Source: Statistics Canada, Cat. No. 65-202.

# EXPORTS

Billions of dollars

## Softwood lumber



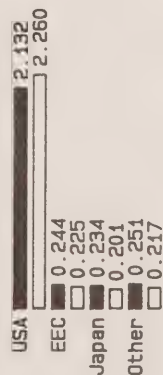
## Wood pulp



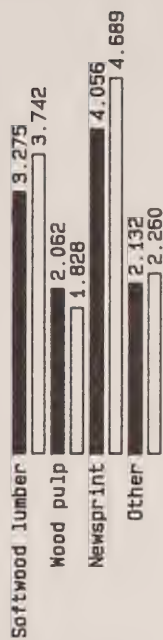
## Newsprint



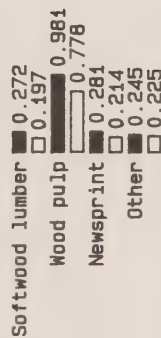
## Other forest products



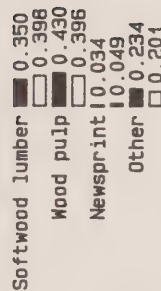
## USA



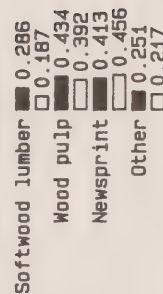
## EEC



## Japan



## Other countries



**Figure 19.** Exports of Canadian forest products by commodity group and principal trade area, 1984-1985.

1984 ■ 1985 □

Source: Statistics Canada, Cat. No. 65-202 and special compilation.



III - 16. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>b</sup>, 1985

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
\$000								
United States	36 950	102 341	3 741 655	4 686 172	1 827 639	4 688 940	5 902 135	12 518 288
Central America	-	901	24 037	28 312	18 043	73 006	115 431	162 686
Mexico	-	-	13	137	16 940	6 719	7 658	24 735
South America	-	-	304	933	29 358	110 274	119 294	149 585
Brazil	-	-	62	84	44	16 579	16 714	16 842
Chile	-	-	19	307	79	-	75	461
Venezuela	-	-	22	303	23 648	50 057	50 532	74 483
Africa	-	303	27 516	29 364	12 108	23 692	38 049	79 824
Algeria	-	-	24 761	25 201	5 258	901	1 477	31 936
Morocco	-	-	979	979	-	-	10	989
Middle East - Africa	-	-	1 349	1 401	1 246	21 508	22 571	25 219
- Asia	-	1 001	15 562	18 394	14 770	7 960	23 543	57 708
Europe	3 516	7 159	203 072	364 402	827 479	216 157	287 085	1 486 125
Western Europe	3 516	7 140	203 072	363 787	822 257	216 157	286 972	1 480 156
Economic Community	775	4 182	197 187	351 801	777 765	213 672	279 519	1 413 267
Belgium-Luxembourg	-	47	18 676	37 337	74 529	4 854	31 507	143 421
Denmark	-	-	77	10 447	660	21	65	11 172
France	-	790	20 554	31 336	96 221	3 295	4 074	132 421
Germany, Fed. Rep.	-	881	24 193	45 021	211 413	32 274	33 727	291 042
Greece	-	-	83	599	7 810	-	1 234	9 643
Ireland	-	-	792	4 343	3 749	2 054	2 249	10 341
Italy	775	2 429	14 203	19 315	118 169	4 713	6 395	146 308
Netherlands	-	-	3 769	10 105	103 340	7 736	8 502	121 946
United Kingdom	-	35	114 840	193 297	161 874	158 724	191 766	546 973
Scandinavia	2 741	2 878	-	3 773	16 335	44	4 792	27 778
Finland	1 087	1 223	-	816	-	-	3 128	5 167
Norway	924	924	-	787	240	44	191	2 143
Sweden	730	730	-	2 170	16 095	-	1 473	20 468
Other Western Europe	-	80	5 885	8 214	28 157	2 442	2 661	39 111
USSR	-	-	-	238	-	-	5	243
Other Eastern Europe	-	19	-	377	5 222	-	108	5 726
Asia	42 769	182 761	445 281	466 597	649 132	238 807	345 122	1 643 613
China, People's Rep.	-	26 518	29 677	29 770	66 036	98 709	112 832	235 156
Hong Kong	-	3	127	961	3 743	6 959	12 760	17 467
India	-	-	-	9	38 774	22 224	22 274	61 057
Japan	42 769	149 483	398 246	407 164	396 070	48 560	90 913	1 043 631
Korea, Rep. of (South)	-	5 333	1 448	3 738	50 188	-	3 682	62 941
Southeast Asia	-	11	68	427	31 722	43 045	61 034	93 194
Taiwan	-	412	153	6 123	36 767	8 764	10 384	53 685
Oceania	-	21	81 089	83 683	29 227	56 318	71 687	184 618
Australia	-	21	77 735	80 137	27 297	41 182	55 236	162 692
New Zealand	-	-	3 288	3 440	1 929	13 913	14 973	20 342
World	83 235	293 488	4 523 590	5 660 641	3 393 791	5 407 368	6 879 387	16 227 308

<sup>a</sup>Excluding re-exports.<sup>b</sup>See Section X, for details on groupings of trade areas used in this table.

111 - 17. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>b</sup>, 1985

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m <sup>3</sup>	t	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	t	t	t
<b>United States</b>	809 778	579 042	33 811 299	43 295 344	1 846 108 3	550 642 6	948 988	8 435 971
<b>Central America</b>	-	-	187 821	26 607	5 295	46 920	130 917	197 344
Mexico	-	-	156	-	184	44 678	8 632	9 848
<b>South America</b>	-	-	1 008	2 453	114	63 541	194 554	210 120
Brazil	-	-	42	-	-	51	30 024	30 024
Chile	-	-	59	-	-	171	-	90
Venezuela	-	-	156	2 453	111	51 391	89 321	89 637
<b>Africa</b>	-	-	198 785	3 586	1 855	26 891	38 343	56 927
Algeria	-	-	170 340	-	12	11 524	1 600	2 589
Morocco	-	-	15 334	-	-	-	-	-
Middle East - Africa	-	-	9 975	-	40	2 597	34 657	35 993
- Asia	21 039	-	143 269	-	3 951	34 141	17 731	53 059
<b>Europe</b>	76 300	52 996	1 279 583	326 276	449 636 1	782 650	369 703	528 834
Western Europe	76 246	52 996	1 279 583	326 276	449 161 1	770 961	369 703	528 738
Economic Community	74 887	8 180	1 259 570	310 473	437 358 1	670 467	364 742	512 498
Belgium-Luxembourg	77	-	108 720	11 864	48 712	164 171	7 118	77 589
Denmark	-	-	510	725	30 010	1 398	37	37
France	3 841	-	132 960	39 512	22 936	205 029	3 768	4 892
Germany, Fed. Rep.	4 204	-	77 699	184 366	47 082	456 392	55 600	57 544
Greece	-	-	352	-	816	15 276	-	1 792
Ireland	-	-	7 209	-	8 729	4 442	3 392	3 459
Italy	66 579	8 180	48 620	3 772	16 522	271 047	9 047	13 858
Netherlands	-	-	15 386	11 548	19 112	215 347	12 825	13 785
United Kingdom	186	-	868 115	58 687	240 439	337 366	272 954	339 542
Scandinavia	1 133	44 816	-	-	6 793	35 709	69	11 317
Finland	1 133	17 172	-	-	1 640	-	-	7 253
Norway	-	18 290	-	-	1 832	498	69	90
Sweden	-	9 354	-	-	3 321	35 211	-	3 975
Other Western Europe	227	-	20 013	15 803	5 010	64 785	4 892	4 923
USSR	-	-	-	-	101	-	-	-
Other Eastern Europe	54	-	-	-	373	11 689	-	95
<b>Asia</b>	2 008 654	485 462	2 745 371	26 329	49 775 1	486 652	483 437	720 934
China, People's Rep.	445 177	-	246 076	-	147	163 984	195 383	237 332
Hong Kong	-	-	1 126	-	1 767	7 962	12 867	22 466
India	-	-	-	-	-	90 276	44 238	44 238
Japan	1 461 188	485 462	2 348 236	8 835	27 908	873 416	99 691	201 154
Korea, Rep. (South)	80 213	-	5 748	17 494	5 517	120 015	-	6 247
Southeast Asia	136	-	382	-	247	81 131	90 686	125 674
Taiwan	901	-	533	-	10 244	92 996	17 061	18 245
<b>Oceania</b>	313	-	397 104	86 149	4 685	65 583	108 503	115 815
Australia	313	-	388 571	67 894	4 633	61 172	77 828	84 223
New Zealand	-	-	7 933	14 205	52	4 412	28 927	29 589
<b>World</b>	2 895 044	1 117 500	38 626 242	43 776 033	2 357 837 7	024 509 8	274 698 10	266 428

<sup>a</sup>Excluding re-exports.<sup>b</sup>See Section X, for details on groupings of trade areas used in this table.

111 - 18. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1985

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
\$000								
United States	8 901	179 042	112 368	481 694	99 601	-	931 229	1 691 566
Central America	-	-	-	1 471	-	-	716	2 187
Mexico	-	-	-	507	-	-	496	1 003
South America	-	-	-	9 237	2 984	-	5 401	17 621
Brazil	-	-	-	6 933	2 984	-	5 212	15 129
Chile	-	-	-	186	-	-	122	308
Venezuela	-	-	-	469	-	-	-	469
Africa	-	-	-	1 809	-	-	30	1 839
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
- Asia	-	-	-	29	-	-	1	30
Europe	-	2 941	14	21 517	1 565	-	184 306	210 329
Western Europe	-	2 941	14	20 327	1 565	-	183 875	208 708
Economic Community	-	93	14	10 688	189	-	106 393	117 363
Belgium-Luxembourg	-	-	-	143	-	-	5 531	5 674
Denmark	-	-	-	863	-	-	906	1 769
France	-	-	13	429	-	-	22 206	22 634
Germany, Fed. Rep.	-	93	-	2 869	189	-	28 249	31 400
Greece	-	-	-	10	-	-	35	45
Ireland	-	-	-	29	-	-	6	35
Italy	-	-	-	4 111	-	-	8 322	12 433
Netherlands	-	-	-	679	-	-	9 104	9 783
United Kingdom	-	-	-	1 555	-	-	32 035	33 590
Scandinavia	-	2 849	-	3 869	1 345	-	73 731	81 794
Finland	-	2 849	-	2 192	-	-	40 514	45 554
Norway	-	-	-	265	1 336	-	231	1 833
Sweden	-	-	-	1 412	9	-	32 986	34 407
Other Western Europe	-	-	-	5 770	31	-	3 750	9 551
USSR	-	-	-	1 030	-	-	-	1 030
Other Eastern Europe	-	-	-	160	-	-	431	591
Asia	-	168	-	62 441	-	-	19 357	81 966
China, People's Rep.	-	-	-	515	-	-	555	1 070
Hong Kong	-	-	-	2 026	-	-	1 131	3 157
India	-	-	-	127	-	-	35	161
Japan	-	-	-	2 795	-	-	14 791	17 586
Korea, Rep. of (South)	-	-	-	2 584	-	-	926	3 510
Southeast Asia	-	20	-	32 973	-	-	214	33 207
Taiwan	-	-	-	20 804	-	-	1 701	22 506
Oceania	-	-	-	252	-	-	517	769
Australia	-	-	-	131	-	-	110	240
New Zealand	-	-	-	121	-	-	407	529
World	8 901	182 166	112 382	578 420	131 869	-	1 141 563	2 034 018

<sup>a</sup>See Section X, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1985

Trade area	Primary wood products		Wood-fabricated materials			Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m <sup>3</sup>	t	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	t	t	t
<b>United States</b>	<b>3 535 103</b>	<b>157 289</b>	<b>662 893</b>	-	<b>752 731</b>	<b>167 032</b>	-	<b>520 897</b>
<b>Central America</b>	-	-	-	-	<b>460</b>	-	-	<b>552</b>
Mexico	-	-	-	-	113	-	-	535
<b>South America</b>	-	-	-	-	<b>22 738</b>	<b>5 887</b>	-	<b>11 900</b>
Brazil	-	-	-	-	19 964	5 887	-	11 216
Chile	-	-	-	-	16	-	-	493
Venezuela	-	-	-	-	2 700	-	-	-
<b>Africa</b>	-	-	-	-	<b>5 136</b>	-	-	<b>32</b>
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
- Asia	-	-	-	-	-	-	-	-
<b>Europe</b>	<b>308</b>	-	<b>109</b>	-	<b>9 843</b>	<b>3 289</b>	-	<b>121 276</b>
Western Europe	308	-	109	-	6 272	3 289	-	119 952
Economic Community	308	-	109	-	3 848	370	-	50 311
Belgium-Luxembourg	-	-	-	-	6	-	-	2 525
Denmark	-	-	-	-	453	-	-	160
France	-	-	99	-	71	-	-	9 197
Germany, Fed. Rep.	308	-	9	-	1 172	370	-	15 549
Greece	-	-	-	-	-	-	-	23
Ireland	-	-	-	-	11	-	-	2
Italy	-	-	-	-	1 207	-	-	5 815
Netherlands	-	-	-	-	654	-	-	6 062
United Kingdom	-	-	-	-	687	-	-	10 978
Scandinavia	-	-	-	-	1 891	2 849	-	67 819
Finland	-	-	-	-	1 281	-	-	48 870
Norway	-	-	-	-	632	2 835	-	196
Sweden	-	-	-	-	452	15	-	18 752
Other Western Europe	-	-	-	-	1 151	70	-	1 822
USSR	-	-	-	-	3 193	-	-	-
Other Eastern Europe	-	-	-	-	378	-	-	1 324
<b>Asia</b>	<b>249</b>	-	-	-	<b>77 842</b>	-	-	<b>3 960</b>
China, People's Rep.	-	-	-	-	212	-	-	28
Hong Kong	-	-	-	-	809	-	-	8
India	-	-	-	-	-	-	-	6
Japan	-	-	-	-	6 466	-	-	2 837
Korea, Rep. of (South)	-	-	-	-	34	-	-	86
Southeast Asia	-	-	-	-	53 017	-	-	987
Taiwan	-	-	-	-	21 158	-	-	8
<b>Oceania</b>	-	-	-	-	<b>991</b>	-	-	<b>442</b>
Australia	-	-	-	-	1 265	-	-	31
New Zealand	-	-	-	-	43	-	-	411
<b>World</b>	<b>3 536 104</b>	<b>157 289</b>	<b>663 002</b>	-	<b>866 789</b>	<b>224 033</b>	-	<b>659 080</b>

<sup>a</sup>See Section X, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

111 - 20. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1985

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
\$000								
United States	28 048	-76 589 <sup>b</sup>	3 629 567	4 211 113	1 731 167	4 689 037	4 984 159	10 849 849
Central America	-	901	24 129	27 135	18 043	73 006	114 813	160 892
Mexico	-	-	13	-370	16 940	6 719	7 162	23 732
South America	-	-	304	-8 130	26 374	110 274	113 894	132 138
Brazil	-	-	62	-6 850	-2 939	16 579	11 502	1 713
Chile	-	-	19	257	79	-	-47	289
Venezuela	-	-	22	-166	23 648	50 057	50 532	74 014
Africa	-	303	27 516	27 688	12 108	23 692	38 019	78 118
Algeria	-	-	24 761	25 201	5 258	901	1 477	31 936
Morocco	-	-	979	979	-	-	10	989
Middle East - Africa	-	-	1 349	1 401	1 246	21 508	22 571	25 219
- Asia	-	1 001	15 562	18 861	14 770	7 960	23 544	58 176
Europe	3 516	5 394	203 203	376 176	827 842	216 157	103 134	1 312 546
Western Europe	3 516	5 374	203 203	376 752	822 619	216 157	103 397	1 308 142
Economic Community	775	5 253	197 272	371 581	779 504	213 672	173 365	1 329 703
Belgium-Luxembourg	-	426	18 676	41 291	76 134	4 854	25 977	143 827
Denmark	-	-	77	10 253	660	21	-837	10 077
France	-	1 022	20 566	37 406	96 221	3 295	-18 036	116 613
Germany, Fed. Rep.	-	1 333	24 193	48 860	211 224	32 274	5 514	266 931
Greece	-	-	83	590	7 810	-	1 199	9 598
Ireland	-	-	792	4 698	3 749	2 054	2 243	10 690
Italy	775	2 429	14 203	16 265	118 482	4 713	-1 910	135 266
Netherlands	-	7	3 769	13 675	103 340	7 736	-591	116 431
United Kingdom	-	35	114 913	198 544	161 884	158 724	159 807	520 270
Scandinavia	2 741	29	-	2 230	14 990	44	-68 892	-51 643
Finland	1 087	-1 625	-	-704	-	-	-37 386	-39 715
Norway	924	924	-	661	-1 096	44	-40	449
Sweden	730	730	-	2 273	16 086	-	-31 466	-12 377
Other Western Europe	-	92	5 931	2 941	28 126	2 442	-1 077	30 082
USSR	-	-	-	-792	-	-	5	-787
Other Eastern Europe	-	19	-	216	5 222	-	-268	5 190
Asia	42 769	182 664	445 295	405 574	649 413	238 807	326 007	1 563 658
China, People's Rep.	-	26 518	29 677	29 305	66 036	98 709	112 277	234 136
Hong Kong	-	3	127	-1 061	3 743	6 959	11 645	14 330
India	-	-	-	-117	38 774	22 224	22 239	60 896
Japan	42 769	149 483	398 259	404 647	396 351	48 560	76 323	1 026 803
Korea, Rep. of (South)	-	5 333	1 448	1 286	50 188	-	2 756	59 563
Southeast Asia	-	3	68	-32 535	31 722	43 045	60 819	60 009
Taiwan	-	471	153	-14 233	36 767	8 764	8 707	31 712
Oceania	-	21	81 089	83 494	29 227	56 318	71 186	183 927
Australia	-	21	77 735	80 070	27 297	41 182	55 139	162 527
New Zealand	-	-	3 288	3 318	1 929	13 913	14 569	19 817
World	74 334	112 681	4 411 737	5 124 228	3 267 261	5 407 465	5 751 791	14 255 961

<sup>a</sup>See Section X, for details on groupings of trade areas used in this table.<sup>b</sup>The - sign means deficit.



III - 21. BALANCE OF TRADE OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1985

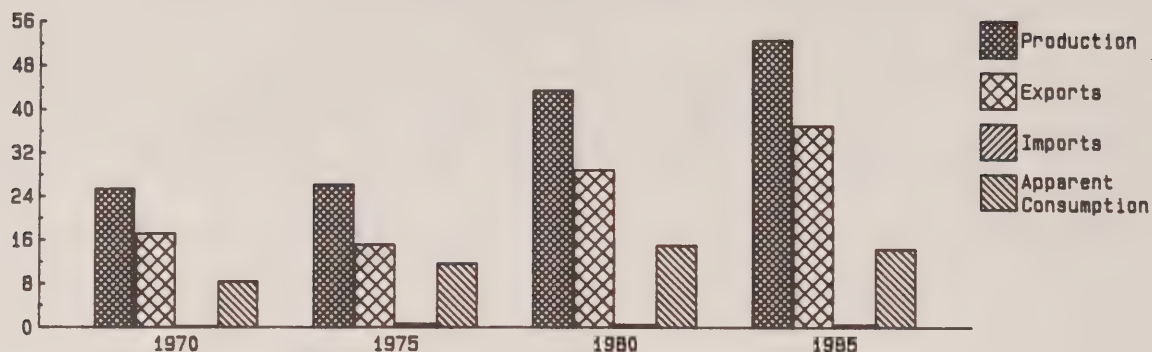
Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m <sup>3</sup>	t	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	t	t	t
<b>United States</b>	-2 724 610	421 753	33 150 690	43 308 852	1 099 110	3 390 596	6 949 085	7 918 340
<b>Central America</b>	-	-	188 033	26 607	5 187	46 920	130 917	196 815
Mexico	-	-	156	-	71	44 678	8 632	9 313
<b>South America</b>	-	-	1 008	2 453	-22 624	57 653	194 554	198 219
Brazil	-	-	42	-	-19 964	-5 836	30 024	18 808
Chile	-	-	59	-	-16	171	-	-403
Venezuela	-	-	156	2 453	-2 588	51 391	89 321	89 637
<b>Africa</b>	-	-	198 785	3 586	-3 100	26 891	38 343	56 895
Algeria	-	-	170 340	-	12	11 524	1 600	2 589
Morocco	-	-	15 334	-	-	-	-	-
Middle East - Africa	-	-	9 975	-	40	2 597	34 657	35 993
- Asia	21 039	-	143 269	-	4 640	34 141	17 731	53 059
<b>Europe</b>	79 865	52 996	1 280 456	326 276	488 000	1 783 277	369 703	407 789
Western Europe	79 811	52 996	1 280 456	326 276	491 097	1 771 588	369 703	409 017
Economic Community	78 402	8 180	1 259 834	310 473	477 830	1 674 014	364 742	462 414
Belgium-Luxembourg	1 259	-	108 720	11 864	55 839	167 174	7 118	75 064
Denmark	-	-	510	725	33 532	1 398	37	-123
France	4 757	-	132 945	39 512	32 299	205 029	3 768	-4 094
Germany, Fed. Rep.	5 599	-	77 690	184 366	55 813	456 022	55 600	41 995
Greece	-	-	352	-	815	15 276	-	1 769
Ireland	-	-	7 209	-	9 290	4 442	3 392	3 457
Italy	66 579	8 180	48 620	3 772	16 982	271 724	9 047	8 043
Netherlands	23	-	15 386	11 548	24 439	215 347	12 825	7 725
United Kingdom	186	-	868 403	58 687	248 408	337 602	272 954	328 577
Scandinavia	1 133	44 816	-	-	8 081	32 860	69	-56 498
Finland	1 133	17 172	-	-	1 306	-	-	-41 618
Norway	-	18 290	-	-	1 384	-2 337	69	-106
Sweden	-	9 354	-	-	4 917	35 197	-	-14 774
Other Western Europe	276	-	20 622	15 803	4 568	64 716	4 892	3 101
USSR	-	-	-	-	-3 092	-	-	-
Other Eastern Europe	54	-	-	-	-5	11 689	-	-1 228
<b>Asia</b>	2 008 722	485 462	2 745 409	26 329	-25 679	1 487 280	483 437	717 004
China, People's Rep.	445 177	-	246 076	-	-2	163 984	195 383	237 304
Hong Kong	-	-	1 126	-	976	7 962	12 867	22 459
India	-	-	-	-	-	90 276	44 238	44 232
Japan	1 461 188	485 462	2 348 274	8 835	21 832	874 045	99 691	198 347
Korea, Rep. of (South)	80 213	-	5 748	17 494	5 684	120 015	-	6 161
Southeast Asia	272	-	382	-	-52 766	81 131	90 686	124 687
Taiwan	1 083	-	533	-	-9 898	92 996	17 061	18 237
<b>Oceania</b>	313	-	397 104	86 149	3 723	65 583	108 503	115 374
Australia	313	-	388 571	67 894	3 398	61 172	77 828	84 192
New Zealand	-	-	7 933	14 025	9	4 412	28 927	29 178
<b>World</b>	-636 154	960 210	37 966 756	43 789 541	1 547 941	6 812 006	8 274 795	9 610 898

<sup>a</sup>See Section X, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

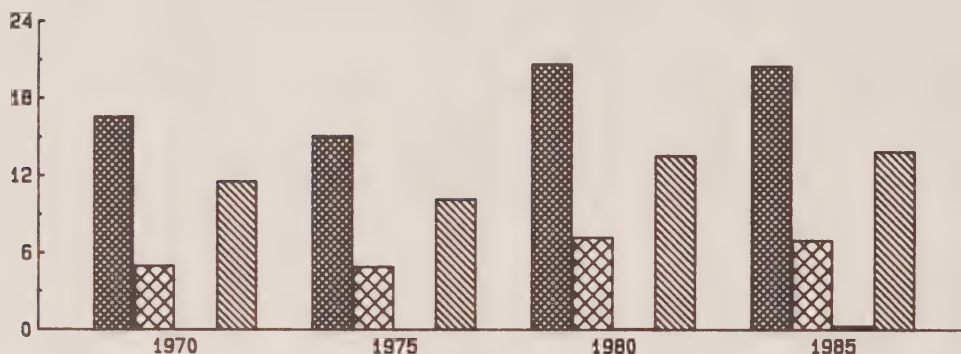
# SOFTWOOD LUMBER

Millions of cubic metres



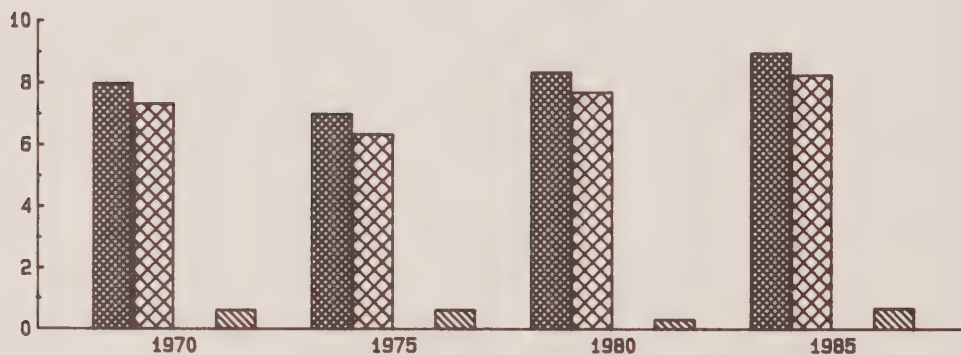
# WOOD PULP

Millions of tonnes



# NEWSPRINT

Millions of tonnes



**Figure 20.** Production, trade and apparent domestic consumption of selected forest products, 1970-1985.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.

## SECTION IV

### PRINCIPAL STATISTICS

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

**Establishments** providing data for the Census of Manufactures are classified according to the Standard Industrial Classification (SIC) system. Data are assigned to the various industries on the basis of the principal activity of the establishment.

This **classification system** is revised every 10 years and commencing with the 1983 data year, the Census of Manufactures has been compiled according to the 1980 version of the SIC.

In this section, 1970-1981 data have been compiled according to the 1970 version of the SIC and 1982-1984 according to the **1980 version**.

**Detailed definitions** of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The **headings** used in the principal statistics tables are briefly described in section X, "User's guide." For detailed definitions and some qualifications to the preceding explanations, see "Concepts and Definitions of the Census of Manufactures," Catalogue 31-528.

## IV - 1. FOREST INDUSTRIES BY SECTOR, 1984

Sector	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages value added	Number	\$000 000
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies						
Logging	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	51 173	1 324	2 191	
Wood Industries	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051	
Paper and allied Industries	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492	
Total forest Industries (A)	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381	13 734	
Total manufacturing Industries	36 464	1 240 816	2 583 486	28 295	7 306	136 134	230 070	88 668	1 722 044	43 076	94 045	
Logging and manufacturing Industries (B)	40 158	1 286 184	2 673 151	29 418	7 521	139 138	235 434	90 840	1 773 217	44 400	96 236	
Percentage A from B	19.8	17.1	16.7	19.3	31.6	12.2	13.9	15.1	15.2	16.6	14.3	

<sup>a</sup>Excluding 2586 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

STANDARD INDUSTRIAL CLASSIFICATION

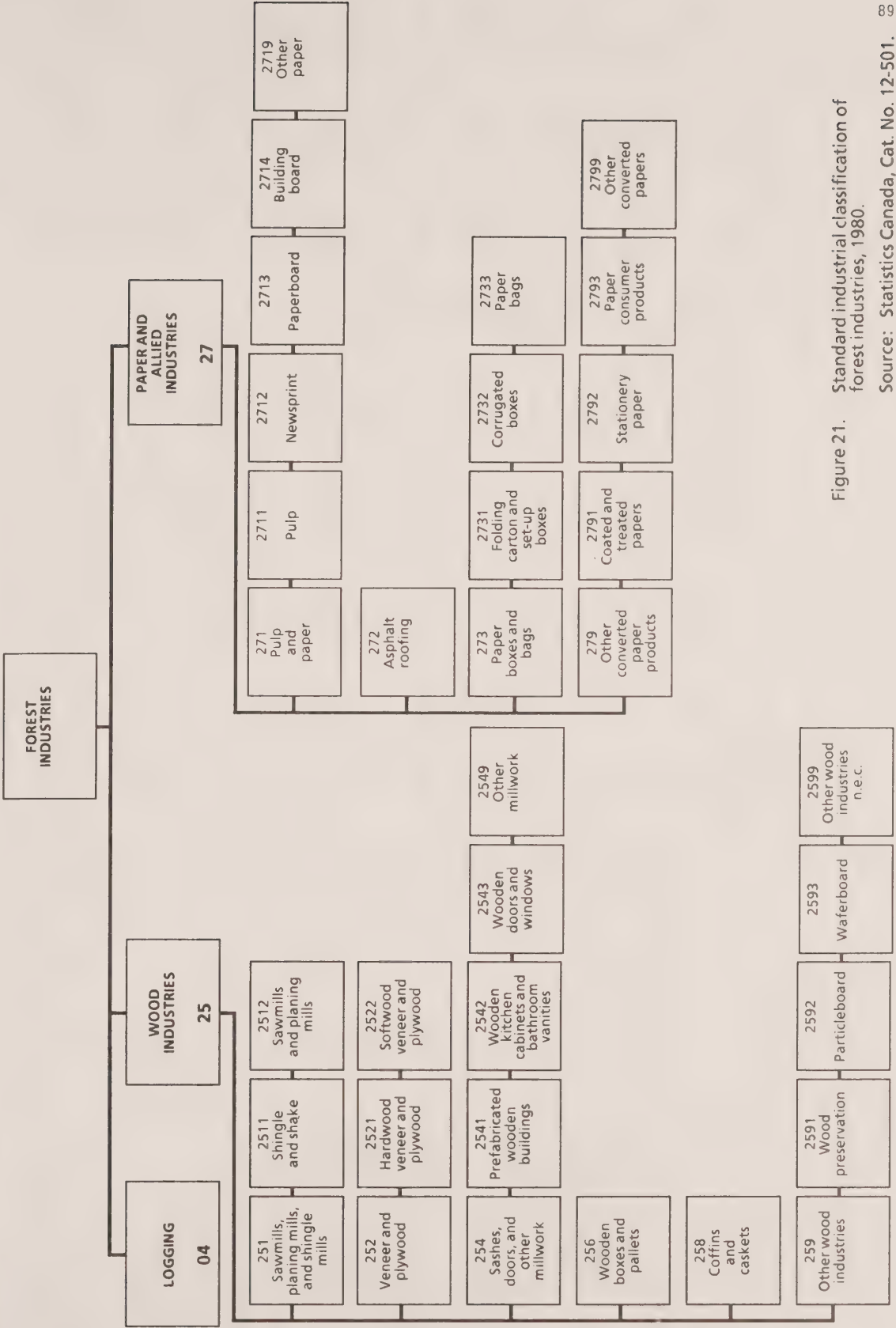


Figure 21. Standard industrial classification of forest industries, 1980.

Source: Statistics Canada, Cat. No. 12-501.



## IV - 2. WOOD INDUSTRIES, 1984

Sector	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	S.I.C. b	Production and related workers					Value of shipments of goods added	Total employees a	Salaries and wages added	Total value added		
		Estab-lishments	Number	Person-hours paid	Wages	Fuel and electricity					Materials and supplies	
												1 000
Sawmill, planing mill, and shingle mill products	251	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468
Shingle and shake industry	2 511	101	1 537	3 099	37	3	81	139	58	1 648	41	57
Sawmills and planing mills	2 512	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
Veneer and plywood industry	252	81	8 037	15 632	200	31	453	795	317	9 174	241	323
Hardwoods	2 521	54	3 486	7 275	66	9	196	332	131	4 105	86	138
Softwoods	2 522	27	4 551	8 357	134	21	256	463	186	5 069	154	185
Sash, door, and other millwork	254	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839
Prefabricated wooden building industry	2 541	81	1 269	2 495	22	2	114	188	72	2 032	42	86
Wooden kitchen cabinet, bathroom vanity industry	2 542	704	5 962	12 281	103	7	207	449	235	7 176	133	235
Wooden door and window ind.	2 543	369	6 619	13 631	121	11	380	694	302	8 254	169	315
Other millwork industries	2 549	326	4 367	9 118	81	8	203	402	195	5 278	106	203
Wooden box and pallet industry	256	212	2 422	4 991	38	4	105	191	82	2 759	46	83
Coffin and casket industry	258	31	623	1 201	10	1	18	39	20	722	12	20
Other wood industries	259	328	6 011	12 716	132	41	455	810	316	7 131	166	319
Wood preservation	2 591	50	1 185	2 453	30	7	154	236	75	1 443	37	78
Particleboard	2 592	19	1 201	2 592	30	13	90	197	94	1 525	42	93
Waferboard	2 593	11	1 210	2 727	34	16	111	189	62	1 429	41	61
Other wood industries	2 599	248	2 415	4 944	38	5	100	189	86	2 734	45	86
Wood industries	25	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051

<sup>a</sup>Excluding 955 working owners and partners.  
<sup>b</sup>1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202, 31-203, 35-204, 35-205, 35-206, 35-208, and 35-210.

# IV - 3. PAPER AND ALLIED INDUSTRIES, 1984

Sector	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	S.I.C. <sup>b</sup>	Estab- lishments	Production and related workers					Value of shipments of goods added	Total employees <sup>a</sup>		Total value added	
			Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies		Number	Salaries and wages		
												1 000
<b>Pulp and paper Industries</b>	271	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802
Pulp Industry	2 711	37	13 856	28 518	467	416	1 801	3 740	1 593	18 258	652	1 554
Newsprint Industry	2 712	43	30 669	64 317	969	915	2 364	6 191	2 925	39 537	1 321	2 925
Paperboard Industry	2 713	28	6 391	12 867	195	232	534	1 341	581	7 900	249	590
Building board Industry	2 714	8	815	1 685	21	17	28	97	52	928	24	52
Other paper Industries	2 719	26	9 287	19 565	271	155	905	1 742	694	12 781	392	681
<b>Asphalt roofing Industry</b>	272	17	1 168	2 366	27	12	216	354	131	1 537	38	133
<b>Paper box and bag Industries</b>	273	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819
Folding carton and set-up box Industry	2 731	104	5 309	11 081	122	7	384	664	282	6 569	160	283
Corrugated box Industry	2 732	114	7 700	15 565	186	22	843	1 305	444	10 212	262	442
Paper bag Industry	2 733	31	1 675	3 398	35	3	172	269	95	2 223	51	95
<b>Other converted paper products Industries</b>	279	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	738
Coated and treated paper	2 791	42	2 289	4 755	47	7	233	391	157	3 216	72	158
Stationary paper products	2 792	78	2 975	5 946	59	4	195	366	168	4 227	94	185
Paper consumer products	2 793	14	1 539	2 973	38	4	251	370	113	2 240	58	113
Other converted paper products	2 799	136	4 554	9 187	94	15	362	641	271	6 171	142	282
<b>Paper and allied Industries</b>	27	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492

<sup>a</sup>Excluding 20 working owners and partners.  
<sup>b</sup>1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 36-204, 36-214, 36-215 and 36-216.

IV - 4. FOREST INDUSTRIES SUMMARY<sup>a</sup>, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>b</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349	2 581	
1970	6 618	210 718	453 306	1 475	279	3 990	7 502	3 254	261 139	1 942	3 313	
1971	6 247	208 632	445 919	1 592	318	4 220	7 978	3 461	258 839	2 090	3 519	
1972	6 537	219 284	467 590	1 810	347	4 853	9 372	4 139	271 010	2 364	4 213	
1973	6 844	237 514	500 889	2 155	398	6 163	11 821	5 475	292 324	2 793	5 562	
1974	7 014	239 726	505 789	2 511	570	7 283	14 401	6 817	297 386	3 281	6 937	
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336	6 286	
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064	7 428	
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482	8 234	
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076	9 762	
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680	11 830	
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180	12 285	
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624	12 295	
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315	10 234	
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987	12 085	
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381	13 754	

<sup>a</sup>Logging, wood industries, and paper and allied industries.<sup>b</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 5. FOREST INDUSTRIES SUMMARY BY PROVINCE, 1984

Province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY			
	Estab- lishments	Production and related workers				Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Total employees <sup>a</sup>	Number	\$000 000	Salaries and wages	Total value added
		Person- hours paid	Wages	1 000	Number									
Nfld.	142	x	x	x	x	x	x	x	x	x	x	x	x	x
P.E.I.	39	169	291	--	7	10	3	230	4	7			4	7
N.S.	356	4 767	9 834	62	323	684	306	6 104	143	303			143	303
N.B.	433	11 269	23 942	224	869	1 654	588	13 783	338	582			338	582
Que.	2 099	64 192	130 832	793	4 425	9 188	4 003	80 439	2 023	4 023			2 023	4 023
Ont.	1 633	57 594	119 830	515	4 559	8 571	3 605	72 045	1 889	3 636			1 889	3 636
Man.	167	3 472	7 197	26	237	440	182	4 264	97	181			97	181
Sask.	143	x	x	x	x	x	x	x	x	x			x	x
Alta.	367	6 819	14 049	41	573	1 087	479	8 473	235	491			235	491
B.C.	2 554	66 154	129 559	630	5 570	10 390	4 200	78 184	2 472	4 191			2 472	4 191
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-			-	-
Total	7 933	219 800	446 869	2 375	16 950	32 809	13 684	269 913	7 381	13 734			7 381	13 734

<sup>a</sup>Excluding 2586 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

# **VALUE OF SHIPMENTS** Billions of dollars

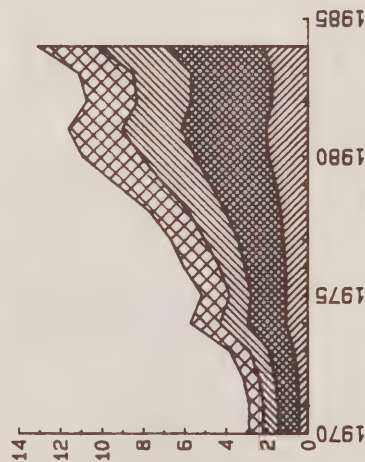
## **LOGGING**



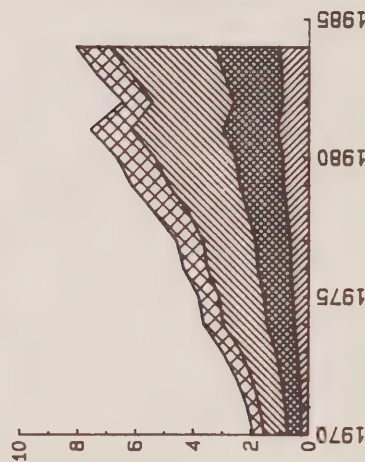
## **SAWMILLS AND PLANING MILLS**



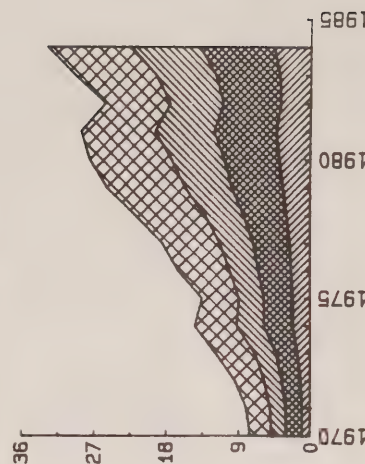
## **PULP AND PAPER MILLS**



## **OTHER FOREST INDUSTRIES**



## **TOTAL FOREST INDUSTRIES**



**Figure 22.** Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.



IV - 6. LOGGING BY PROVINCE, 1984

Province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>						
	Estab-lishments	Number	Person-hours paid			Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000
			1 000									
Nfld.	51	1 086	2 248	25		25	5	46	101	50	1 258	30
P.E.I.	9	11	16	--		--	--	--	--	--	11	--
N.S.	184	1 061	2 018	17		17	3	94	132	36	1 244	22
N.B.	265	3 887	7 781	75		75	16	187	370	172	4 542	91
Atlantic provinces	509	6 045	12 063	117		117	24	327	603	258	7 055	143
Que.	733	9 308	17 117	200		200	40	492	937	398	10 729	243
Ont.	484	8 264	17 283	231		231	45	515	923	391	9 515	276
Man.	43	490	937	11		11	2	36	56	19	586	14
Sask.	81	557	1 095	12		12	5	49	72	19	660	16
Alta.	114	665	1 392	17		17	3	60	96	30	778	21
Prairies	238	1 712	3 424	40		40	10	145	224	68	2 024	51
B.C.	1 730	20 039	39 779	537		537	97	1 527	2 676	1 058	21 850	611
Yukon and N.W.T.	-	-	-	-		-	-	-	-	-	-	-
<b>Total</b>	<b>3 694</b>	<b>45 368</b>	<b>89 665</b>	<b>1 123</b>		<b>1 123</b>	<b>215</b>	<b>3 004</b>	<b>5 364</b>	<b>2 172</b>	<b>51 173</b>	<b>1 324</b>
												<b>2 191</b>

<sup>a</sup>Excluding 1611 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

Province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Value added	Number	Salaries and wages	Total value added
Nfld.	83	305	600	4	1	15	25	9	335	5	10	
P.E.I.	30	158	275	2	--	7	10	3	219	4	7	
N.S.	157	1 525	3 094	23	5	61	118	53	1 867	29	56	
N.B.	151	3 060	6 570	51	11	175	284	102	3 503	62	102	
Atlantic provinces	421	5 048	10 540	80	18	257	438	168	5 924	100	175	
Que.	1 159	23 417	49 027	429	84	1 297	2 387	1 037	28 603	551	1 045	
Ont.	838	17 524	36 538	335	61	999	1 796	761	20 840	432	775	
Man.	100	1 638	3 296	28	3	75	135	59	1 932	36	59	
Sask.	57	1 022	2 030	27	5	65	110	41	1 233	33	41	
Alta.	225	4 506	9 142	112	22	297	539	223	5 508	142	237	
Prairies	382	7 166	14 468	166	30	437	784	322	8 673	211	337	
B.C.	761	33 050	64 408	1 017	158	2 667	4 569	1 717	38 901	1 247	1 718	
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	
Total	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051	

<sup>a</sup>Excluding 955 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 8. PAPER AND ALLIED INDUSTRIES BY PROVINCE, 1984

Province or territory	Estab- lishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies	Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity						
		Number	1 000	\$000 000	\$000 000	Number	\$000 000			
Nfld.	8	x	x	x	x	x	x	x	x	x
P.E.I.	-	-	-	-	-	-	-	-	-	-
N.S.	15	2 181	4 722	64	168	434	217	2 993	92	211
N.B.	17	4 322	9 591	135	507	1 000	314	5 738	185	308
Que.	207	31 467	64 688	899	2 636	5 864	2 568	41 107	1 229	2 571
Ont.	311	31 806	66 009	849	3 045	5 852	2 453	41 690	1 181	2 466
Man.	24	1 344	2 964	34	126	249	104	1 746	47	104
Sask.	5	x	x	x	x	x	x	x	x	x
Alta.	28	1 648	3 515	51	216	452	226	2 187	72	224
B.C.	63	13 065	25 373	418	1 376	3 145	1 425	17 433	614	1 411
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-
Total	678	88 227	182 224	2 529	1 809	17 472	7 506	115 799	3 516	7 492

<sup>a</sup>Excluding 20 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 10. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY BY PROVINCE, 1984

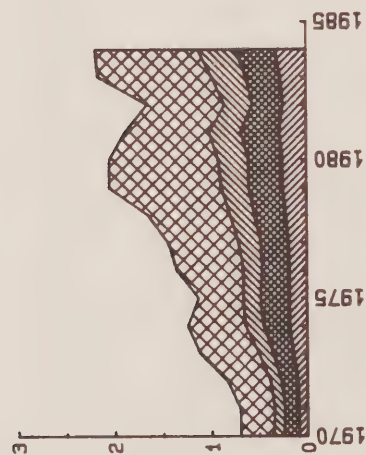
Province or territory	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity					
		Wood Industries			Paper and allied Industries			Wood Industries			Paper and allied Industries		
		Logging	Sawmills, planing mills	Total	Pulp and paper Industries	Total	Total forest Industries	Logging	Sawmills, planing mills	Total	Pulp and paper Industries	Total	Total forest Industries
	1 000 m <sup>3</sup>				\$000 000		%			\$000 000			%
Nfld.	2 240	50	5	9	121	x	x	51	5	10	120	x	x
P.E.I.	126	--	1	3	--	--	3	--	1	7	--	--	7
N.S.	3 263	36	28	53	193	217	306	36	29	56	185	211	303
N.B.	8 109	172	63	102	302	314	588	172	63	102	296	307	582
Atlantic provinces	13 738	258	96	168	616	x	x	259	97	175	601	x	x
Que.	33 985	398	573	1 037	2 110	2 568	4 003	407	576	1 045	2 105	2 571	4 023
Ont.	25 959	391	241	761	1 511	2 453	3 605	395	242	775	1 509	2 466	3 636
Man.	1 582	19	6	59	x	104	182	18	6	59	x	104	181
Sask.	2 593	19	20	41	x	x	x	21	20	41	x	x	x
Alta.	8 358	30	115	223	x	226	479	30	114	237	x	224	491
Prairies	12 533	68	141	323	279	x	x	69	140	337	277	x	x
B.C.	74 556	1 058	1 359	1 717	1 329	1 425	4 200	1 062	1 355	1 718	1 310	1 411	4 191
Yukon and N.W.T.	96	--	x	--	--	--	--	--	x	--	--	--	--
<b>Total</b>	<b>160 867</b>	<b>2 172</b>	<b>2 410</b>	<b>4 006</b>	<b>5 845</b>	<b>7 506</b>	<b>13 684</b>	<b>2 191</b>	<b>2 410</b>	<b>4 051</b>	<b>5 802</b>	<b>7 492</b>	<b>13 734</b>
							<b>100.0</b>						<b>100.0</b>

Source: Statistics Canada Cat. No. 25-201 and 25-202.

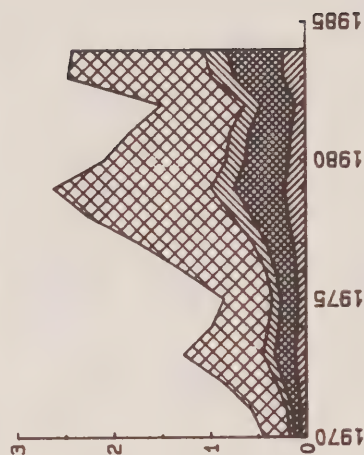


# **TOTAL VALUE ADDED** Billions of dollars

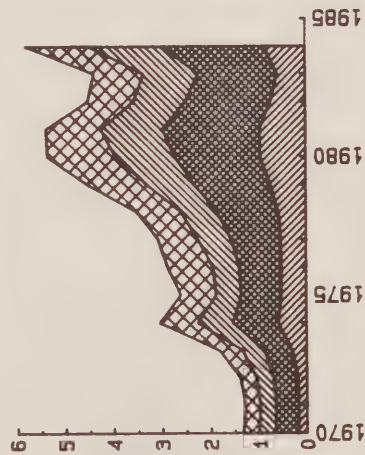
## **LOGGING**



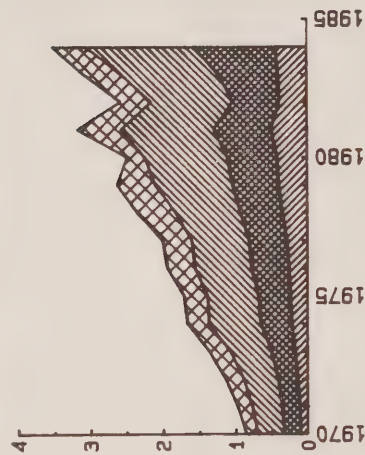
## **SAWMILLS AND PLANING MILLS**



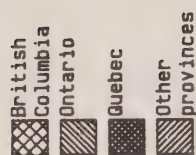
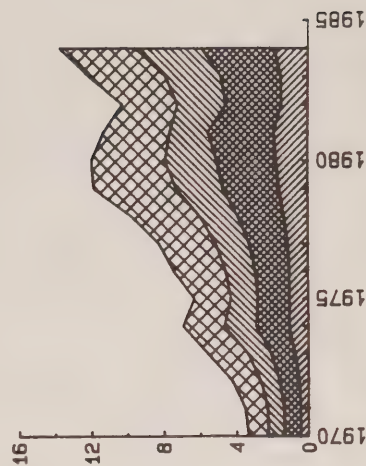
## **PULP AND PAPER MILLS**



## **OTHER FOREST INDUSTRIES**



## **TOTAL FOREST INDUSTRIES**



**Figure 23.** Total value added in the forest industries by sector and region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	1 000	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages value added	Total value added
							\$000 000				\$000 000	
<b>A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)</b>												
Nfld.	62	196	378	2	--	--	4	9	5	199	3	5
P.E.I.	19	60	73	--	--	--	1	2	1	60	--	1
N.S.	101	972	1 920	14	4	4	28	60	28	1 151	17	29
N.B.	89	2 166	4 821	37	8	8	121	191	66	2 385	42	66
Atlantic provinces	271	3 394	7 191	53	12	12	154	262	100	3 795	62	100
Que.	429	12 614	26 941	245	60	60	729	1 339	579	15 774	314	582
Ont.	225	5 787	11 670	117	29	29	413	669	241	6 886	148	242
Man.	18	320	560	6	1	1	18	24	6	358	7	6
Sask.	8	429	793	13	2	2	31	52	20	502	15	20
Alta.	47	2 325	4 733	63	12	12	144	269	115	2 589	72	114
Prairies	73	3 074	6 086	82	14	14	193	345	141	3 449	95	140
B.C.	431	26 026	51 029	823	132	132	2 233	3 790	1 407	30 511	1 007	1 403
Yukon and N.W.T.	-	x	x	x	x	x	x	x	x	x	x	x
<b>Total</b>	<b>1 429</b>	<b>50 895</b>	<b>102 916</b>	<b>1 321</b>	<b>246</b>	<b>246</b>	<b>3 722</b>	<b>6 404</b>	<b>2 468</b>	<b>60 415</b>	<b>1 626</b>	<b>2 468</b>
<b>B. Shingle and shake industry (S.I.C. 2511)</b>												
N.B.	10	133	252	2	--	--	2	5	3	140	2	3
Que.	14	203	444	3	--	--	4	10	6	225	4	6
B.C.	77	1 201	2 403	31	3	3	75	124	48	1 283	35	48
<b>Total</b>	<b>101</b>	<b>1 537</b>	<b>3 099</b>	<b>37</b>	<b>3</b>	<b>3</b>	<b>81</b>	<b>139</b>	<b>58</b>	<b>1 648</b>	<b>41</b>	<b>57</b>

Activity/ province or territory	MANUFACTURING ACTIVITY							TOTAL ACTIVITY			
	Production and related workers				Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Total employees <sup>a</sup>		
	Estab- lishments	Number	Person- hours paid	Wages					Salaries and wages	Total value added	
											\$000 000
C. Sawmill and planing mill products industry (S.I.C. 2512)											
Nfld.	62	196	378	2	--	4	9	5	199	3	5
P.E.I.	19	60	73	--	--	1	2	1	60	--	1
N.S.	101	972	1 920	14	4	28	60	28	1 151	17	29
N.B.	79	2 033	4 569	35	7	119	185	63	2 245	40	63
Atlantic provinces											
Que.	261	3 261	6 939	51	12	152	257	96	3 655	60	97
Ont.	415	12 411	26 497	242	59	725	1 329	573	15 549	311	576
Man.	225	5 787	11 670	117	29	413	669	241	6 886	148	242
Sask.	18	320	560	6	1	18	24	6	358	7	6
Alta.	8	429	793	13	2	31	52	20	502	15	20
Prairies	47	2 325	4 733	63	12	144	269	115	2 589	72	114
B.C.	73	3 074	6 086	82	15	193	345	141	3 449	94	140
Yukon and N.W.T.	354	24 825	48 625	792	129	2 158	3 666	1 359	29 228	972	1 355
	-	x	x	x	x	x	x	x	x	x	x
Total	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
D. Veneer and plywood industries (S.I.C. 252)											
Que.	27	1 457	3 051	25	4	116	177	58	1 769	34	60
Ont.	24	1 889	3 938	36	5	69	139	68	2 176	46	72
B.C.	22	4 121	7 574	125	19	230	419	169	4 568	143	168
Others	8	570	1 069	14	3	38	60	22	661	18	23
Total	81	8 037	15 632	200	31	453	795	317	9 174	241	323

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
												\$000 000
E. Sash, door, and other millwork industries (S.I.C. 254)												
Nfld.	16	27	51	--	--	1	1	--	27	--	--	
N.S.	34	222	466	4	--	13	22	9	303	5	10	
N.B.	37	406	776	6	--	22	40	17	523	10	17	
Que.	526	6 416	13 002	106	10	305	568	258	7 592	136	261	
Ont.	381	6 074	12 883	108	7	281	576	288	7 403	147	297	
Man.	62	1 156	2 405	19	2	46	94	48	1 382	26	47	
Sask.	17	177	372	3	--	10	19	9	246	5	9	
Alta.	141	1 221	2 465	23	3	78	142	61	1 813	41	77	
Prairies	220	2 554	5 242	45	5	134	255	118	3 441	72	133	
B.C.	233	2 124	4 268	48	3	127	234	96	2 887	71	104	
Others	33	394	837	10	4	21	37	17	564	9	17	
Total	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839	
F. Prefabricated wooden building industry (S.I.C. 2541)												
N.S.	5	104	213	2	--	8	12	4	163	3	4	
Que.	32	530	996	8	1	39	66	26	638	11	26	
Ont.	14	259	560	4	--	27	47	19	398	8	20	
Alta.	8	247	466	5	--	29	46	18	510	12	32	
B.C.	14	94	185	2	--	9	15	4	263	7	5	
Others	8	35	75	1	--	2	2	1	60	1	--	
Total	81	1 269	2 495	22	2	114	188	72	2 032	42	86	

## IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>						
	Person- hours paid		Wages		Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
	1 000	1 000				\$000 000					\$000 000	
<b>G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. (2542))</b>												
Nfld.	12	27	51	--	--	1	1	--	27	--	--	--
N.B.	11	87	171	1	--	4	7	3	109	2	3	3
Que.	229	1 970	3 959	31	2	68	136	67	2 220	37	67	67
Ont.	204	2 188	4 662	38	2	74	170	95	2 657	49	95	95
Man.	39	414	880	7	--	14	29	15	483	9	15	15
Alta.	69	398	773	7	1	13	30	15	510	10	15	15
B.C.	109	774	1 561	16	1	30	70	37	1 053	24	37	37
Others	31	104	224	3	--	3	6	3	117	2	3	3
<b>Total</b>	<b>704</b>	<b>5 962</b>	<b>12 281</b>	<b>103</b>	<b>7</b>	<b>207</b>	<b>449</b>	<b>235</b>	<b>7 176</b>	<b>133</b>	<b>235</b>	<b>235</b>
<b>H. Wooden door and window industry (S.I.C. 2543)</b>												
N.B.	16	262	482	4	--	16	29	12	348	7	12	12
Atlantic provinces	31	491	964	8	1	30	53	23	702	14	27	27
Que.	172	2 555	5 261	44	4	140	248	105	3 114	58	107	107
Ont.	73	2 075	4 353	39	3	115	222	103	2 525	55	108	108
Man.	11	536	1 113	9	1	23	48	25	638	12	24	24
Sask.	4	56	114	1	--	4	8	4	92	2	4	4
Alta.	26	260	555	5	1	19	34	14	372	9	15	15
Prairies	41	852	1 782	15	2	46	90	43	1 102	23	43	43
B.C.	52	646	1 270	15	1	50	80	28	811	20	29	29
<b>Total</b>	<b>369</b>	<b>6 619</b>	<b>13 631</b>	<b>121</b>	<b>11</b>	<b>380</b>	<b>694</b>	<b>302</b>	<b>8 254</b>	<b>169</b>	<b>315</b>	<b>315</b>



IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	1 000	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
							\$000 000				\$000 000	
<b>I. Other millwork industries (S.I.C. 2549)</b>												
N.S.	9	118	253		2	--	5	10	5	140	2	6
N.B.	9	57	123		1	--	2	4	2	66	1	2
Atlantic provinces	22	191	430		3	1	10	19	8	239	4	9
Que.	93	1 361	2 786		23	3	57	118	60	1 620	30	61
Ont.	90	1 552	3 308		27	2	65	137	71	1 823	35	74
Man.	12	206	412		3	--	9	17	8	261	5	8
Sask.	13	121	258		2	--	6	11	5	154	3	5
Alta.	38	316	671		6	1	17	32	14	421	10	15
Prairies	63	643	1 341		11	1	32	60	27	836	18	28
B.C.	58	610	1 252		15	1	38	69	28	760	20	33
Others	4	26	55		2	--	4	4	2	33	--	--
<b>Total</b>	<b>326</b>	<b>4 367</b>	<b>9 118</b>		<b>81</b>	<b>8</b>	<b>203</b>	<b>402</b>	<b>195</b>	<b>5 278</b>	<b>106</b>	<b>203</b>
<b>J. Wooden box and pallet industry (S.I.C. 256)</b>												
N.S.	8	62	129		1	--	2	4	2	65	1	2
N.B.	9	70	115		x	--	2	3	1	75	1	1
Que.	70	745	1 535		11	1	26	50	22	839	14	23
Ont.	96	1 256	2 613		19	2	59	105	44	1 445	23	44
Man.	5	72	143		1	--	3	6	2	79	1	2
Alta.	7	87	188		2	--	5	9	4	99	2	4
Others	17	130	268		4	1	8	14	7	157	4	7
<b>Total</b>	<b>212</b>	<b>2 422</b>	<b>4 991</b>		<b>38</b>	<b>4</b>	<b>105</b>	<b>191</b>	<b>82</b>	<b>2 759</b>	<b>46</b>	<b>83</b>

## IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONCLUDED)

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>					Number	\$000 000
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added		
K. Coffin and casket industry (S.I.C. 258)												
Que.	12	383	727	6	1	11	24	13	452	8	12	
Ont.	6	133	256	2	--	3	7	4	148	3	4	
Alta.	4	32	66	1	--	1	2	1	36	1	1	
Others	9	75	152	1	-	3	6	2	86	-	3	
Total	31	623	1 201	10	1	18	39	20	722	12	20	
L. Other wood industries (S.I.C. 259)												
P.E.I.	5	13	24	--	--	--	1	--	13	--	--	
N.S.	13	69	149	1	--	8	14	5	79	2	5	
N.B.	13	370	754	6	3	29	48	16	462	9	16	
Que.	95	1 802	3 770	35	9	111	229	108	2 177	46	108	
Ont.	106	2 385	5 182	53	17	173	299	114	2 782	66	117	
Alta.	21	444	944	12	6	39	70	24	504	14	24	
B.C.	59	634	1 242	17	4	68	109	36	761	21	36	
Others	16	294	651	8	2	27	40	13	353	8	13	
Total	328	6 011	12 716	132	41	455	810	316	7 131	166	319	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, 35-204, 35-205, 35-206, 35-208, 35-209 and 35-210.

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1984

Activity/ province or territory	Estab- lishments	MANUFACTURING ACTIVITY										TOTAL ACTIVITY		
		Production and related workers										Total employees <sup>a</sup>	Salaries and wages	Total value added
		Person- hours paid		Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added						
		Number	1 000						\$000 000	Number	\$000 000			
A. Pulp and paper Industries (S.I.C. 271)														
Nfld.	3	1 816	x	x	x	x	x	x	121	2 202	x	120		
N.S.	5	1 767	3 925	57	51	140	379	193	80	2 394	80	185		
N.B.	11	4 102	9 165	130	196	482	963	302	178	5 453	178	296		
Que.	57	23 649	48 616	726	645	1 902	4 650	2 110	980	30 628	980	2 105		
Ont.	34	15 867	33 666	497	372	1 515	3 362	1 511	673	20 447	673	1 509		
B.C.	24	11 855	23 020	384	371	1 227	2 897	1 329	564	15 767	564	1 310		
Others	8	1 962	8 560	128	101	367	861	279	163	2 513	163	277		
Total	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	2 638	79 404	2 638	5 802		
B. Pulp Industry (S.I.C. 2711)														
N.B.	6	2 093	4 578	71	100	284	508	146	102	2 884	102	138		
Que.	6	1 509	3 079	48	42	231	484	213	67	1 994	67	206		
Ont.	5	2 906	6 408	96	70	360	705	296	125	3 708	125	296		
B.C.	16	5 777	11 011	191	171	712	1 536	675	273	7 576	273	659		
Others	4	1 571	3 442	61	33	214	507	263	85	2 096	85	255		
Total	37	13 856	28 518	467	416	1 801	3 740	1 593	652	18 258	652	1 554		

## IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY				
	Estab- lishments	Production and related workers					Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added					
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies					Value of shipments of goods				
												1 000	\$000 000	Number	\$000 000
C. Newsprint Industry (S.I.C. 2712)															
Nfld.	3	1 816	x	x	x	x	121	2 202	x	120					
Que.	22	14 613	30 351	467	430	1 040	1 321	18 443	616	1 324					
Ont.	9	6 882	14 118	216	173	579	690	9 093	307	691					
B.C.	4	4 579	9 146	143	152	362	517	6 129	214	514					
Others	5	2 779	10 702	143	160	383	276	3 670	184	276					
Total	43	30 669	64 317	969	915	2 364	2 925	39 537	1 321	2 925					
D. Paperboard Industry (S.I.C. 2713)															
Que.	11	2 577	5 054	79	95	230	246	3 283	102	254					
Ont.	11	2 309	4 813	68	65	171	217	2 782	84	217					
Others	6	1 505	3 000	48	72	133	118	1 835	63	119					
Total	28	6 391	12 867	195	232	534	581	7 900	249	590					
E. Asphalt roofing Industry (S.I.C. 272)															
Que.	4	415	885	10	4	62	49	623	16	49					
Ont.	6	459	922	9	4	95	46	537	11	47					
Alta.	3	188	387	5	2	39	25	241	8	25					
Others	4	106	172	3	2	20	11	136	3	12					
Total	17	1 168	2 366	27	12	216	131	1 537	38	133					

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ province or territory	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
												\$000 000
F. Paper box and bag Industries (S.I.C. 273)												
Nfld.	3	73	163	2	--	8	12	4	81	2	4	
Que.	62	4 432	9 039	105	11	400	643	234	5 793	145	234	
Ont.	134	7 801	16 134	178	15	719	1 136	411	9 995	243	409	
Others	50	2 378	4 709	58	6	272	447	172	3 135	83	172	
Total	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819	
G. Folding carton and set-up box Industry (S.I.C. 2731)												
Que.	29	1 613	3 321	38	2	107	195	87	2 014	50	87	
Ont.	59	3 266	6 895	74	4	237	402	169	4 018	97	170	
Others	16	430	865	10	1	40	67	26	537	13	26	
Total	104	5 309	11 081	122	7	384	664	282	6 569	160	283	
H. Corrugated box Industry (S.I.C. 2732)												
Que.	23	2 101	4 240	52	7	221	333	106	2 861	75	106	
Ont.	64	4 089	8 389	95	10	437	668	221	5 341	132	219	
Alta.	10	323	644	8	1	39	66	27	421	11	26	
B.C.	8	585	1 057	17	2	76	125	48	808	26	49	
Others	9	602	1 235	14	2	70	113	42	781	18	42	
Total	114	7 700	15 565	186	22	843	1 305	444	10 212	262	442	





IV - 13. LOGGING BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages value added	Number	\$000 000
1960	..	..	..	..	..	..	806	..	..	375	..	..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547	547
1970	2 653	44 814	100 235	345	29	898	1 620	683	52 230	412	694	694
1971	2 441	40 126	88 740	344	30	901	1 630	686	47 284	413	698	698
1972	2 798	40 363	89 599	382	37	995	1 873	814	47 553	458	829	829
1973	3 132	49 573	105 182	513	50	1 446	2 494	1 089	57 586	606	1 109	1 109
1974	3 253	50 733	108 321	601	68	1 585	2 733	1 221	59 491	717	1 244	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 126	1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883	1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032	1 650	1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219	2 152	2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	51 173	1 324	2 191	2 191

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

## IV - 14. WOOD INDUSTRIES BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432	
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669	
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802	
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017	
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422	
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977	
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748	
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690	
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236	
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762	
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550	
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021	
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307	2 217	3 466	
1981	3 394	94 328	189 205	1 824	245	4 802	8 442	3 379	112 570	2 286	3 447	
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050	2 102	2 708	
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965	2 427	3 993	
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 15. PAPER AND ALLIED INDUSTRIES BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1960	565	76 040	..	339	116	979	2 126	..	95 281	458	1 034	
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634	1 365	
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978	1 817	
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039	1 804	
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135	1 962	
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248	2 476	
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526	3 945	
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553	3 470	
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207	1 938	3 844	
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080	4 032	
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282	4 565	
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491	5 756	
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784	6 770	
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146	6 965	
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669	3 180	5 876	
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308	3 341	5 940	
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

## IV - 16. SAWMILL, PLANING MILL, AND SHINGLE MILL INDUSTRIES (S.I.C. 251) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389	
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326	453	
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381	596	
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464	898	
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572	1 311	
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623	1 005	
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599	885	
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802	1 314	
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961	1 776	
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139	2 328	
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312	2 677	
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423	2 155	
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413	1 883	
1982	1 338	46 295	89 306	1 055	190	2 672	4 501	1 535	55 119	1 319	1 540	
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 548	2 509	
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.



IV - 17. SHINGLE AND SHAKE INDUSTRY (S.I.C. 2511) BY YEAR, 1965-1984

Year	Estab- lishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY			
		Production and related workers				Total employees <sup>a</sup>						
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
												1 000
1965	64	1 422	2 793	8	--	--	15	25	10	1 527	9	11
1970	82	1 374	2 697	11	--	--	18	32	14	1 450	12	14
1971	74	1 595	3 173	14	1	1	22	44	22	1 687	15	22
1972	72	1 689	3 244	15	1	1	26	56	29	1 798	16	29
1973	74	1 753	3 415	17	1	1	37	68	31	1 883	18	31
1974	79	1 421	2 841	16	1	1	26	50	23	1 540	18	23
1975	69	1 503	2 942	20	1	1	28	63	34	1 609	21	34
1976	69	1 690	3 359	25	1	1	44	90	47	1 813	27	47
1977	71	1 637	3 319	29	2	1	61	115	53	1 754	31	53
1978	84	2 029	4 272	37	2	2	87	154	68	2 159	41	68
1979	116	1 853	3 887	40	2	2	92	155	60	1 986	44	60
1980	124	1 897	3 708	41	2	2	83	152	66	2 034	44	66
1981	119	1 583	3 117	37	2	2	69	125	54	1 712	40	56
1982	108	1 302	2 401	29	3	3	46	87	39	1 421	33	41
1983	98	1 417	2 714	34	3	3	64	114	46	1 539	39	46
1984	101	1 537	3 099	37	3	3	81	139	58	1 648	41	57

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

## IV - 18. SAWMILL AND PLANING MILL PRODUCTS INDUSTRY (S.I.C. 2512) BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>						
	Person-hours paid		Wages		Fuel and electricity		Materials and supplies		Value of shipments of goods		Value added	
	Number	1 000	Number	1 000	Number	\$000 000	Number	\$000 000	Number	\$000 000	Number	\$000 000
1960	3 719	..	36 714	..	120	10	296	530	225	..	..	..
1965	2 559	95 489	44 477	188	20	896	502	896	384	50 848	224	389
1970	1 772	89 928	42 540	262	24	687	1 135	436	436	48 776	314	439
1971	1 631	93 150	44 107	305	28	789	1 396	572	572	50 963	366	574
1972	1 567	102 814	49 387	370	35	1 004	1 894	865	865	57 111	448	869
1973	1 519	111 951	53 643	455	43	1 360	2 559	1 275	1 275	62 476	554	1 280
1974	1 530	103 535	49 194	490	49	1 315	2 330	976	976	58 346	605	983
1975	1 368	84 899	40 788	462	51	1 113	1 997	849	849	49 156	578	851
1976	1 213	100 890	47 838	642	69	1 604	2 878	1 262	1 262	56 408	774	1 268
1977	1 132	107 850	51 532	775	88	1 925	3 673	1 719	1 719	60 445	930	1 723
1978	1 226	117 730	56 101	906	107	2 426	4 694	2 257	2 257	66 457	1 098	2 260
1979	1 308	122 007	57 441	1 042	124	3 176	5 676	2 610	2 610	68 328	1 268	2 617
1980	1 317	118 761	55 903	1 132	141	3 122	5 278	2 085	2 085	66 278	1 379	2 089
1981	1 313	105 409	52 916	1 110	166	2 929	4 973	1 828	1 828	62 774	1 373	1 827
1982	1 230	86 592	44 878	1 027	188	2 608	4 387	1 489	1 489	53 698	1 286	1 494
1983	1 290	98 401	48 762	1 231	226	3 443	5 991	2 455	2 455	58 135	1 509	2 463
1984	1 328	99 818	49 358	1 284	243	3 641	6 265	2 410	2 410	58 767	1 585	2 410

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 19. VENEER AND PLYWOOD INDUSTRIES (S.I.C. 252) BY YEAR, 1960-1984

Year	Estab- lishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	\$000 000					
1960	76	9 856	..	35	3	76	138	61	..	..	..
1965	83	12 826	27 455	55	4	120	222	101	14 265	65	102
1970	90	10 973	21 616	68	5	152	262	104	12 259	80	106
1971	88	11 363	23 360	80	6	165	312	139	12 650	93	142
1972	84	12 213	24 788	92	7	202	393	182	13 664	108	187
1973	86	13 082	26 599	110	8	255	487	226	14 478	127	232
1974	82	11 863	23 562	112	9	262	463	198	13 291	133	206
1975	83	11 367	21 346	119	10	248	458	200	12 732	141	204
1976	81	11 635	23 179	147	13	311	584	266	13 003	171	270
1977	83	12 301	24 917	174	17	351	647	283	13 695	202	285
1978	86	12 555	25 319	192	20	423	844	402	14 067	222	406
1979	83	12 212	24 470	203	21	498	888	380	13 618	236	391
1980	84	10 990	22 453	206	23	483	840	333	12 363	243	345
1981	77	9 920	18 845	197	26	466	841	351	11 323	238	357
1982	82	9 084	15 772	185	27	360	645	248	10 344	225	254
1983	82	8 596	17 289	216	32	456	853	373	9 724	256	381
1984	81	8 037	15 632	200	31	453	795	317	9 174	241	323

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206.

## IV - 20. SASH, DOOR, AND OTHER MILLWORK INDUSTRIES (S.I.C. 254) BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
			1 000	\$000 000		\$000 000					\$000 000	
1960	1 397	13 267	..	40	4	134	227	88	..	..	..	..
1965	1 007	11 108	24 868	41	3	115	209	93	14 122	58	99	99
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152	152
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180	180
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224	224
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291	291
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365	365
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433	433
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476	476
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495	495
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573	573
1979	1 228	21 067	44 175	268	15	818	1 438	618	25 972	360	652	652
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668	668
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852	852
1982	1 390	16 816	33 698	272	23	685	1 319	588	21 294	377	619	619
1983	1 440	18 488	37 930	321	26	872	1 641	759	22 925	437	791	791
1984	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839	839

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205.

IV - 21. WOODEN BOX AND PALLET INDUSTRY (S.I.-C. 256) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>	Total value added		
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies						
											1 000	\$000 000
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19	
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28	
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28	
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30	
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38	
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47	
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52	
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53	
1977	150	2 869	6 028	30	2	66	134	67	3 347	40	67	
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61	
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81	
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85	
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93	
1982	208	2 741	5 662	41	4	97	188	87	3 274	52	88	
1983	201	2 216	4 496	32	4	85	152	64	2 556	40	65	
1984	212	2 422	4 991	38	4	105	191	82	2 759	46	83	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.



## IV - 22. COFFIN AND CASKET INDUSTRY (S.I.C. 258) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added	
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies						
								Number	\$000 000	\$000 000		
1965	56	1 152	2 595	4	--	--	6	14	8	1 438	5	8
1970	45	1 006	2 194	5	--	--	7	17	10	1 260	7	10
1971	45	983	2 172	5	--	--	7	18	10	1 217	7	10
1972	43	973	2 113	5	--	--	8	18	10	1 202	7	10
1973	42	982	2 088	6	--	--	10	21	11	1 180	8	11
1974	43	1 000	2 051	6	--	--	13	25	13	1 230	9	13
1975	40	952	1 990	7	--	--	11	25	14	1 120	9	14
1976	38	837	1 803	7	--	--	10	23	12	965	8	13
1977	29	743	1 599	7	--	--	10	23	13	860	8	13
1978	31	721	1 507	7	--	--	13	27	15	846	9	15
1979	32	660	1 393	7	--	--	13	29	15	776	9	16
1980	38	707	1 488	9	1	1	15	32	16	828	11	17
1981	34	616	1 311	9	1	1	15	33	18	736	11	18
1982	33	643	1 340	10	1	1	17	36	19	741	12	19
1983	31	692	1 397	11	1	1	18	39	21	799	14	21
1984	31	623	1 201	10	1	1	18	39	20	722	12	20

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 23. OTHER WOOD INDUSTRIES (S.I.C. 259) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY				
	Estab- lishments	Production and related workers					Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added	
		Number	Person- hours paid	1 000	\$000 000	Number									\$000 000
1965	277	4 762	10 276	17	2	45	86	40	5 796	23	41				
1970	271	4 624	9 821	24	3	59	112	52	5 537	31	53				
1971	260	4 773	10 079	27	3	64	126	60	5 726	35	61				
1972	252	5 130	10 803	32	4	77	153	72	6 159	41	73				
1973	237	5 367	11 298	36	5	90	184	91	6 459	47	93				
1974	242	5 397	11 226	42	6	109	217	108	6 268	52	110				
1975	237	5 336	11 112	48	7	121	222	100	6 265	59	101				
1976	211	5 447	11 308	54	10	127	239	106	6 335	67	110				
1977	186	5 049	10 536	57	11	142	282	124	5 918	72	126				
1978	230	5 620	11 703	69	14	173	351	166	6 537	85	167				
1979	252	6 396	13 424	86	18	226	436	201	7 430	107	204				
1980	292	6 331	13 294	97	20	269	481	193	7 391	119	197				
1981	302	5 972	12 354	107	26	307	563	240	7 059	133	244				
1982	296	5 262	9 860	92	27	282	506	192	6 278	118	193				
1983	311	5 328	10 529	105	32	360	615	223	6 287	132	226				
1984	328	6 011	12 716	132	41	455	810	316	7 131	166	319				

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

## IV - 24. WOOD PRESERVATION INDUSTRY (S.I.C. 2591) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000	Salaries and wages	Total value added
			1 000									\$000 000
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15	15
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18	18
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20	20
1972	31	1 148	2 509	9	1	27	51	22	1 465	12	22	22
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28	28
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41	41
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37	37
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34	34
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40	40
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48	48
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52	52
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59	59
1981	43	1 295	2 656	26	4	106	173	65	1 572	32	67	67
1982	45	1 128	2 166	24	6	100	166	61	1 388	31	61	61
1983	47	1 019	1 987	23	5	111	171	54	1 249	29	56	56
1984	50	1 185	2 453	30	7	154	236	75	1 443	37	78	78

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 25. PARTICLEBOARD AND WAFERBOARD INDUSTRIES (S.I.C. 2592-2593) BY YEAR, 1970-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Number	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>		
			Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Number			Salaries and wages	Total value added	
A. Particleboard and waferboard												
1970	9	674	1 512	4	1	8	18	9	783	5	9	
1971	11	846	1 766	5	1	11	25	13	1 007	7	13	
1972	11	952	2 091	7	2	17	37	18	1 136	9	18	
1973	11	1 028	2 248	8	2	17	47	27	1 240	10	27	
1974	11	1 077	2 298	10	3	21	52	29	1 269	12	29	
1975	14	1 192	2 413	13	3	26	51	23	1 377	16	22	
1976	18	1 634	3 340	20	6	41	77	33	1 889	24	33	
1977	17	1 590	3 221	21	8	48	102	45	1 841	26	44	
1978	17	1 720	3 616	28	10	65	148	74	2 018	34	74	
1979	18	2 056	4 310	35	13	86	183	89	2 407	43	89	
1980	17	1 807	3 794	36	14	97	186	71	2 149	44	70	
1981	21	1 974	4 096	44	18	118	226	95	2 366	55	95	
B. Particleboard (S.I.C. 2592)												
1982	17	928	1 914	20	10	64	122	48	1 138	26	47	
1983	19	1 014	1 972	23	11	81	149	57	1 223	31	57	
1984	19	1 201	2 592	30	13	90	197	94	1 525	42	93	
C. Waferboard (S.I.C. 2593)												
1982	10	971	1 505	17	8	45	78	21	1 142	22	21	
1983	11	1 003	2 032	25	11	76	130	43	1 199	31	43	
1984	11	1 210	2 727	34	16	111	189	62	1 429	41	61	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

## IV - 26. PULP AND PAPER INDUSTRIES (S.I.C. 271) BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
	Estab- lishments	Production and related workers				Value of shipments of goods added	Total employees <sup>a</sup>	Salaries and wages	Total value added	
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies					
										Number
1960	126	53 313	..	260	111	658	1 583	815	..	..
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	809
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	86 203	1 097
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533	1 541
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055	1 847
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104	2 442
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164	2 528
1984	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204.



## IV - 27. ASPHALT ROOFING INDUSTRY (S.I.C. 272) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>			
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies						
											1 000	\$000 000
1965	21	1 291	2 899	6	1	30	58	26	1 942	10	30	
1970	14	618	1 436	4	1	22	39	17	1 141	9	19	
1971	14	727	1 706	6	1	29	51	22	1 218	10	25	
1972	14	815	1 919	7	1	34	63	28	1 277	12	31	
1973	15	919	2 088	8	1	41	77	33	1 375	13	37	
1974	15	916	2 109	9	2	54	102	49	1 403	15	52	
1975	15	963	2 189	11	2	69	121	51	1 438	18	53	
1976	15	1 034	2 177	13	3	87	148	60	1 549	21	63	
1977	15	998	2 127	14	4	91	154	62	1 540	22	64	
1978	17	1 043	2 169	15	4	111	179	64	1 467	23	67	
1979	18	997	2 067	15	5	138	209	72	1 471	24	81	
1980	17	891	1 874	15	5	160	244	78	1 393	26	92	
1981	16	806	1 637	15	6	167	269	90	1 301	27	100	
1982	16	768	1 562	15	7	162	271	102	1 269	26	107	
1983	17	1 025	2 103	25	8	215	306	89	1 424	36	102	
1984	17	1 168	2 366	27	12	216	354	131	1 537	38	133	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215.

## IV - 28. PAPER BOX AND BAG INDUSTRIES (S.I.C. 273) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>	Number	\$000 000	
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Salaries and wages						Total value added
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173	
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270	
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290	
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320	
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366	
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498	
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470	
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537	
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528	
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591	
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657	
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767	
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835	
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394	667	
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435	750	
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216.

IV - 29. OTHER CONVERTED PAPER PRODUCTS INDUSTRIES (S.I.C. 279) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY										TOTAL ACTIVITY	
	Estab- lishments	Production and related workers					Value of shipments of goods	Value added	Total employees <sup>a</sup>	Total value added		
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies						
											\$000 000	
												Number
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120	
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197	
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212	
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	231	
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261	
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347	
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345	
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368	
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370	
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399	
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488	
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278	556	
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	630	
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317	586	
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342	709	
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	738	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215.

## IV - 30. MANUFACTURING INDUSTRIES, 1984

	MANUFACTURING ACTIVITY						TOTAL ACTIVITY					
	Manufacturing Industries <sup>b</sup>	S.I.C. <sup>c</sup>	Estab- lishments	Production and related workers			Value added	Total employees <sup>a</sup>	Total value added			
				Number	Person- hours paid	Wages				Fuel and elec- tricity	Materials and supplies	Value of shipments of goods
			1 000			\$000 000	Number	\$000 000				
A. Forestry												
Sawmills, planing mills	2512	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
Shingle and shake industry	2511	101	1 537	3 099	37	3	81	139	58	1 648	41	57
Pulp and paper mills	271	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802
Other wood Industries	252-259	2 132	35 310	72 064	707	105	1 935	3 569	1 538	42 526	915	1 583
Other paper Industries	272-279	536	27 209	55 272	607	73	2 656	4 360	1 661	36 395	878	1 690
Furniture and fixtures	261-269	1 665	37 561	79 230	639	43	1 426	3 022	1 570	45 287	849	1 581
Printing and publishing	281-284	5 280	65 257	126 662	1 494	73	3 162	8 659	5 448	113 447	2 761	5 611
B. Agriculture												
Food, feed, beverage, tobacco	101, 103-122	3 175	130 927	268 809	2 922	643	23 810	36 173	11 934	201 973	4 965	12 980
C. Fishing												
Fish products	102	397	21 261	43 682	318	39	954	1 592	593	24 372	385	772
D. Mining												
Smelting and refining	291,295	89	58 947	124 241	1 963	920	5 950	11 826	5 158	80 651	2 803	5 177
Metal semi-fabricating products	292-294, 296-299, 351-359	1 973	58 662	123 580	1 485	660	4 844	9 851	4 373	77 192	2 073	4 490
Metal-fabricated products	301-309	5 329	99 669	208 144	2 238	224	6 150	12 193	5 833	129 202	3 114	6 001
E. Energy												
Petroleum and coal products	361-369	120	6 538	14 400	263	321	20 795	23 337	2 616	17 264	729	2 596
F. Other												
Machinery (except electrical)	311-319	1 689	50 316	104 712	1 153	93	3 335	6 863	3 493	72 777	1 809	3 731
Transportation equipment	321-329	1 446	149 227	334 093	4 111	338	25 365	37 916	12 376	195 629	5 663	13 447
Electrical products	331-339	1 345	84 544	176 088	1 836	135	5 800	11 632	6 057	135 951	3 368	6 959
Chemicals, chemical products	371-379	1 263	45 568	96 694	1 204	1 213	9 263	17 175	6 928	87 802	2 614	7 620
Textile and clothing	181-249	3 550	144 487	292 366	2 049	211	5 324	10 427	4 952	170 706	2 759	5 137
Miscellaneous products	151-169, 171, 391-399	4 904	113 420	233 579	2 063	233	6 011	11 959	5 824	151 051	3 127	6 398
G. Total	...	36 464	1 240 816	2 583 488	28 295	7 306	136 134	230 070	88 668	1 722 044	43 076	94 045

<sup>a</sup>Excluding working owners and partners.<sup>b</sup>Excluding primary industries.<sup>c</sup>1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

## SECTION V

### EMPLOYMENT

#### Labour Force Survey

Labour Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labour force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labour Force Surveys and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1976.

**Employment:** Employed persons are those who, during the reference week: a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

#### Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data of small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calendar year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

**Employment:** Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.



V - 1. EMPLOYMENT BY INDUSTRY SECTOR<sup>a</sup>, 1970-1986

Year	Forestry related				Mining related				Agriculture related				Fishing				Cons- truction	Other	Total
	Wood industries		Paper and allied industries		Crude ores, concen- trates	Metal		Agri- culture services	Food, feed, beverage, tobacco <sup>b</sup>	Fishing, fishing services	Fish products	Energy							
	Logging	Services	Sawmills, planing, shingle mills	Pulp and paper mills		Printing, publishing, furniture, fixture	Smelting and refining						Metal fabri- cating						
														Total	Total				
1 000 persons																			
1970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7 919	
1971	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8 103	
1972	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8 394	
1973	65	13	74	123	89	..	180	87	89	100	161	469	13	23	142	539	..	8 761	
1974	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9 125	
1975	50	10	54	93	91	130	171	109	86	90	161	483	14	21	163	603	6 867	9 285	
1976	61	9	74	117	103	143	168	111	92	100	147	472	15	24	163	635	6 967	9 478	
1977	58	12	69	118	92	128	180	108	87	97	148	464	15	26	168	634	7 154	9 651	
1978	64	13	77	130	97	140	187	103	88	105	152	474	13	32	191	634	7 399	9 987	
1979	65	12	84	140	99	141	188	106	92	97	165	484	14	37	198	644	7 749	10 395	
1980	61	10	78	135	101	143	197	120	110	99	172	479	16	32	217	624	8 024	10 708	
1981	66	11	79	139	100	145	196	127	118	95	178	485	15	33	231	651	8 241	11 006	
1982	52	11	59	107	93	136	204	99	98	84	147	462	15	33	216	597	8 121	10 644	
1983	64	12	63	115	87	125	206	93	90	78	134	476	17	35	210	566	8 253	10 734	
1984	63	13	67	118	92	128	209	99	92	84	138	476	21	33	221	572	8 482	11 000	
1985	57	11	59	110	89	123	205	108	97	88	141	488	19	33	224	587	8 765	11 311	
1986	57	11	63	125	81	113	223	102	95	82	154	484	23	37	216	627	9 032	11 634	

1 000 persons

<sup>a</sup>Unadjusted series.<sup>b</sup>Excluding fish products.

Source: Statistics Canada Cat. No. 71-201, Labour Force Survey.

V - 2. EMPLOYMENT BY PROVINCE<sup>a</sup>, 1970-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
1 000 persons											
<b>A. Employed labour force</b>											
1970	129	35	256	192	2 128	3 037	371	333	633	805	7 919
1971	135	37	256	197	2 175	3 113	379	334	643	834	8 104
1972	140	36	261	205	2 205	3 239	386	336	671	865	8 344
1973	151	39	275	214	2 350	3 380	402	343	706	920	8 761
1974	149	41	292	221	2 401	3 523	419	350	754	976	9 125
1975	152	42	292	224	2 434	3 576	417	365	788	995	9 284
1976	157	42	292	226	2 456	3 643	425	378	838	1 021	9 477
1977	159	43	292	224	2 476	3 708	428	390	880	1 050	9 651
1978	162	45	303	234	2 530	3 835	439	398	937	1 103	9 987
1979	170	46	311	243	2 619	3 993	450	411	1 007	1 144	10 395
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 213	10 708
1981	179	47	322	253	2 726	4 171	461	425	1 152	1 270	11 006
1982	174	45	313	243	2 584	4 067	454	426	1 132	1 204	10 644
1983	174	48	320	247	2 642	4 096	460	436	1 115	1 197	10 734
1984	176	49	337	248	2 722	4 243	472	439	1 114	1 202	11 000
1985	176	51	337	258	2 804	4 402	480	452	1 123	1 228	11 311
1986	181	52	344	267	2 866	4 555	493	457	1 146	1 274	11 634
<b>B. Unemployment rate</b>											
1970	7.3	x	5.3	6.3	7.0	4.4	5.3	4.2	5.1	7.7	5.7
1971	8.4	x	7.0	6.1	7.3	5.4	5.7	3.5	5.7	7.2	6.2
1972	9.2	10.8	7.0	7.0	7.5	5.0	5.4	4.4	5.6	7.8	6.2
1973	10.0	x	6.6	7.7	6.8	4.3	4.6	3.5	5.3	6.7	5.5
1974	13.0	x	6.8	7.5	6.6	4.4	3.6	2.8	3.5	6.2	5.3
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	6.9
1976	13.3	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	7.1
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	8.1
1978	16.2	9.8	10.5	12.5	10.9	7.2	6.5	4.9	4.7	8.3	8.3
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	7.4
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	7.5
1981	13.9	11.2	10.2	11.5	10.3	6.6	5.9	4.7	3.8	6.7	7.5
1982	16.8	12.9	13.2	14.0	13.8	9.8	8.5	6.2	7.7	12.1	11.0
1983	18.8	12.2	13.2	14.8	13.9	10.4	9.4	7.4	10.8	13.8	11.9
1984	20.5	12.8	13.1	14.9	11.8	9.1	8.3	8.0	11.2	14.7	11.3
1985	21.3	13.2	13.8	15.2	11.8	8.0	8.1	8.1	10.1	14.2	10.5
1986	20.0	13.4	13.4	14.4	11.0	7.0	7.7	7.7	9.8	12.6	9.6

<sup>a</sup>Unadjusted series.

Source: Statistics Canada Cat. No. 71-201, Labour force survey.

V - 3. EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR<sup>a</sup>, 1961-1984

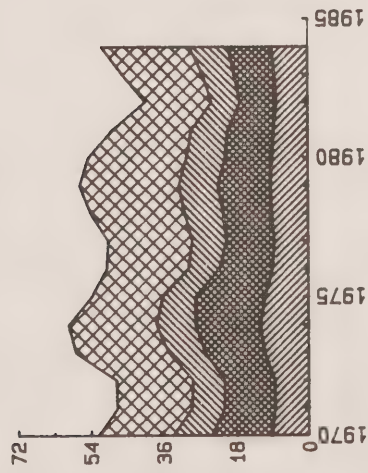
Year	Wood industries				Paper and allied industries			
	Logging	Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash door, and other millwork industries	Other wood industries	Total	Total forest industries
1961	..	46 688	..	..	..	35 397	82 085	98 292
1965	60 701	50 848	1 527	14 265	14 122	10 826	91 588	110 180
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	121 080
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	119 709
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	120 758
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	123 138
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	131 275
1975	53 622	49 156	1 609	12 732	23 083	11 137	97 717	127 342
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	130 207
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	124 463
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	126 783
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	128 918
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	130 310
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	131 024
1982	40 156	53 698	1 421	10 344	21 294	10 293	97 050	117 669
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	114 308
1984	51 173	58 767	1 648	9 174	22 740	10 612	102 941	115 799
								262 469
								261 139
								258 839
								271 010
								292 324
								297 386
								278 681
								286 263
								282 568
								299 540
								307 580
								301 987
								291 996
								254 875
								262 216
								269 913

<sup>a</sup>Excluding working owners and partners.

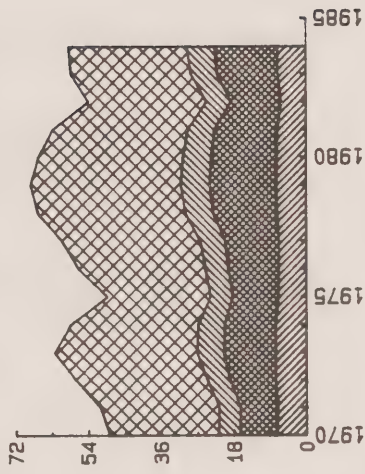
Source: Statistics Canada Cat. No. 25-202, Census of manufactures.

# **EMPLOYMENT** Thousands of persons

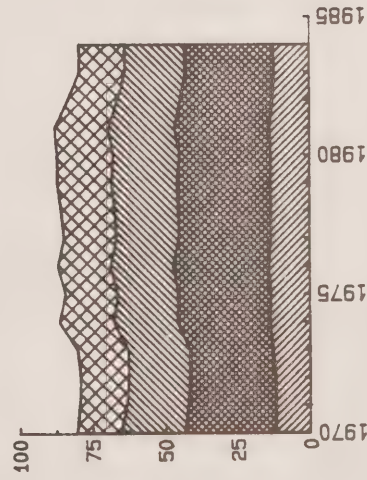
## **LOGGING**



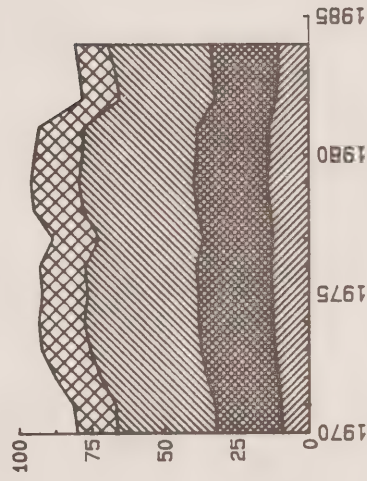
## **SAWMILLS AND PLANING MILLS**



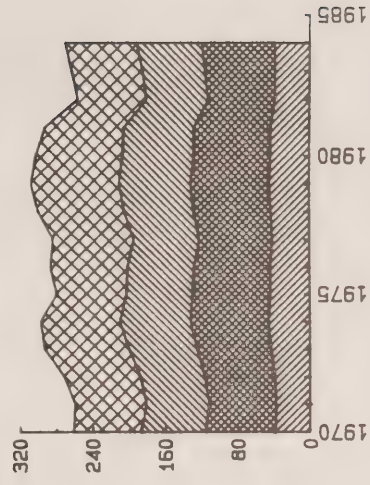
## **PULP AND PAPER MILLS**



## **OTHER FOREST INDUSTRIES**



## **TOTAL FOREST INDUSTRIES**



**Figure 24.** Employment in the forest industries by sector and region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE<sup>a</sup>, 1970-1984

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada <sup>b</sup>
<b>A. Logging</b>											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	52 230
1971	1 778	-	1 427	3 466	12 521	8 125	432	518	652	18 364	47 284
1972	1 881	-	1 273	3 348	12 364	7 783	520	518	782	18 976	47 553
1973	2 404	-	1 524	4 533	14 690	8 983	563	677	1 306	22 906	57 586
1974	2 579	-	1 675	4 741	16 115	9 673	693	843	1 456	21 716	59 491
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	49 445
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 258	11	1 244	4 542	10 729	9 515	586	660	778	21 850	51 173
<b>B. Wood Industries</b>											
1970	429	59	2 182	3 605	19 483	16 664	1 233	933	4 852	38 329	87 829
1971	447	69	1 889	3 570	19 975	16 835	1 330	1 035	5 002	41 652	91 846
1972	448	65	2 065	3 886	23 200	18 598	1 634	1 228	5 717	45 819	102 699
1973	505	72	1 982	3 967	25 592	20 662	1 943	1 236	6 065	49 547	111 600
1974	538	75	2 124	4 225	24 771	20 507	1 979	1 241	6 241	44 866	106 620
1975	482	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	97 717
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 004
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941



V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE<sup>a</sup>, 1970-1984 (CONCLUDED)

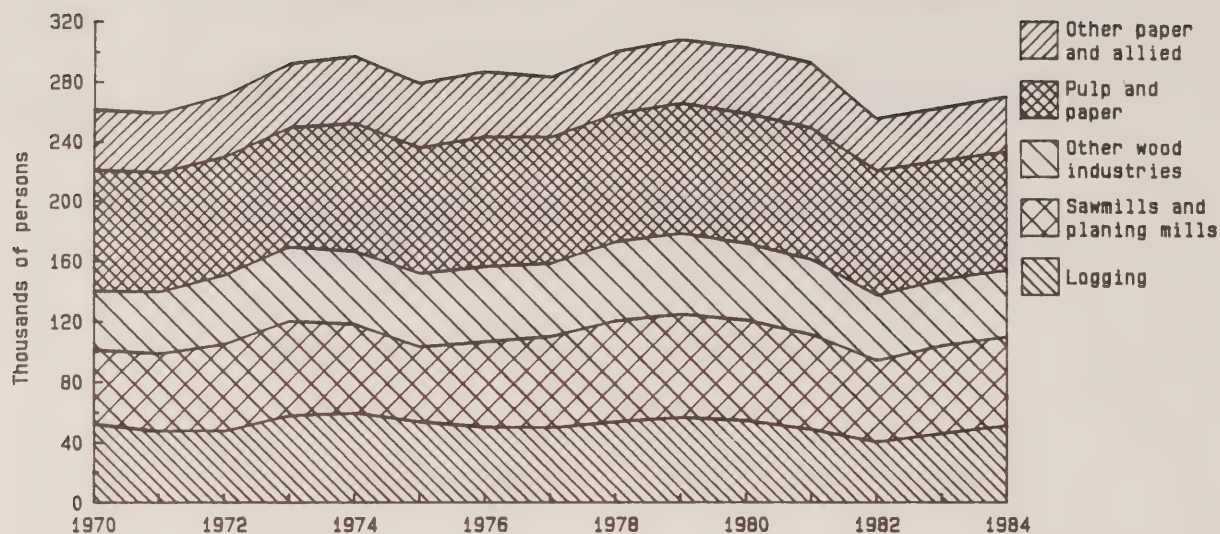
Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada <sup>b</sup>
<b>C. Paper and allied Industries</b>											
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 080
1971	x	-	3 077	5 603	42 125	43 867	1 902	x	1 562	18 327	119 709
1972	x	-	3 043	5 505	41 988	44 580	2 192	x	1 680	18 804	120 758
1973	x	-	3 253	5 595	41 427	45 391	2 182	x	1 743	19 782	123 138
1974	x	-	3 319	5 925	45 367	47 404	x	x	2 155	20 768	131 275
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 463
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	128 918
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	131 024
1982	x	-	x	5 484	41 457	41 597	2 041	x	2 210	18 458	117 669
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 308
1984	x	-	2 993	5 738	41 107	41 690	1 746	x	2 187	17 433	115 799
<b>D. Forest Industries</b>											
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	261 139
1971	x	x	6 393	12 639	74 621	68 827	3 664	x	7 216	78 343	258 839
1972	x	x	6 381	12 739	77 552	70 961	3 846	x	8 179	83 599	271 010
1973	x	x	6 759	14 095	81 709	75 036	4 688	x	9 114	92 235	292 324
1974	x	x	7 118	14 891	86 253	77 584	x	x	9 852	87 350	297 386
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	278 681
1976	x	x	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	286 263
1977	x	87	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	307 580
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	301 987
1981	x	133	6 172	x	84 244	77 354	5 097	x	10 384	86 848	291 996
1982	x	124	x	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875
1983	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 240
1984	x	230	6 104	13 783	80 439	72 045	4 264	x	8 473	78 184	269 913

<sup>a</sup>Census of manufactures.

<sup>b</sup>Including Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

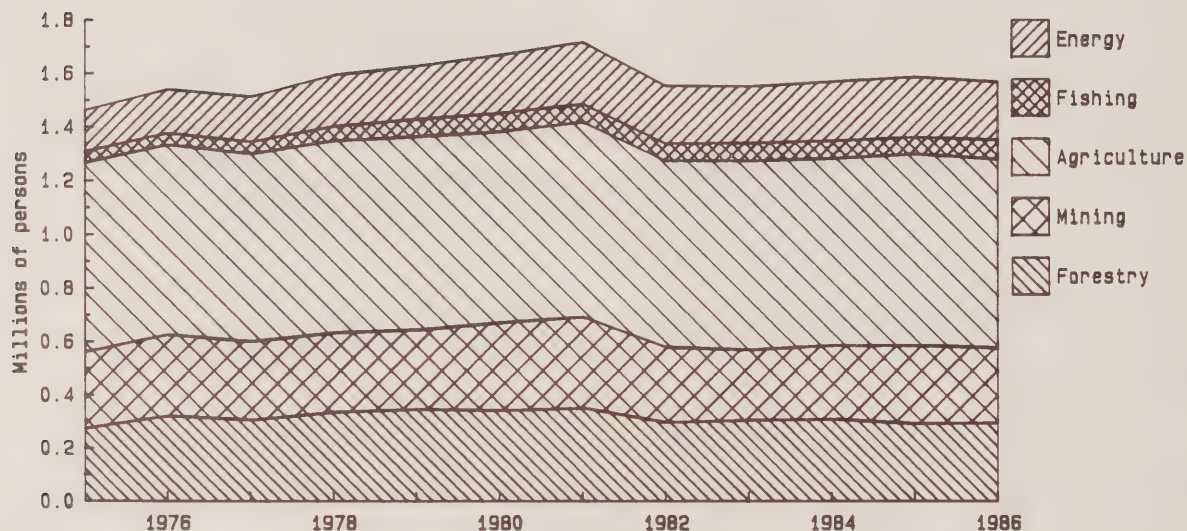
## EMPLOYMENT



**Figure 25.** Employment in the forest industries by sector, 1970-1984.

Source: Statistics Canada, Census of manufactures, Cat. No. 25-202.

## EMPLOYMENT



**Figure 26.** Employment by industry sector, 1975-1986.

Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey.

## SECTION VI

### SELLING PRICE INDEXES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental Indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1981 = 100 industry aggregation of elemental commodities can be directly related to the 1971 = 100 Industry Selling Price Indexes which are available from 1956 to 1985. Link factors, derived from the relationship of the two series in December 1985, were published in the January issue of Catalogue 62-011.

VI - 1. SELECTED FOREST INDUSTRY SELLING PRICE INDEXES, 1956-1986  
(1971 = 100)

Year	Wood Industries			Paper and allied Industries		All manufacturing Industries
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Pulp and paper mills	Total	
1956	77.1	55.2	84.7	84.1	82.7	79.4
1960	73.2	50.4	74.2	85.7	84.6	82.2
1965	79.7	66.4	80.1	91.1	89.0	86.2
1970	86.7	81.9	90.0	100.5	99.8	98.1
1971	100.0	100.0	100.0	100.0	100.0	100.0
1972	126.6	139.9	119.9	100.5	100.9	104.4
1973	162.1	162.9	137.9	113.3	112.1	116.1
1974	147.4	141.6	154.2	157.1	151.6	138.1
1975	145.9	175.2	159.2	189.1	178.4	153.7
1976	163.8	223.8	169.5	191.7	182.8	161.6
1977	190.7	270.5	175.2	204.6	193.5	174.3
1978	231.9	312.5	220.6	216.4	204.2	190.4
1979	274.7	309.2	242.2	258.2	239.6	217.9
1980	243.3	300.3	237.9	300.1	277.2	247.2
1981	229.8	300.6	266.4	329.5	306.1	272.4
1982	220.2	290.1	239.5	336.1	317.3	288.8
1983	252.2	342.2	256.3	317.5	307.3	298.8
1984	242.0	355.3	248.0	358.9	340.3	310.9
1985	248.7	312.1	255.6	363.1	347.1	319.2
1986	271.8	296.1	299.7	380.4	361.6	322.2

Source: Statistics Canada Cat. No. 62-011.



VI - 2. SELLING PRICE INDEXES - SELECTED WOOD, PULP AND PAPER PRODUCTS, 1956-1986  
(1971 = 100)

Year	Wood products										Wood pulp			Paper products					
	Softwood lumber					Hardwood lumber		Plywood			Particle-board sanded	Sulphite paper grades bleached for export		Sulphate paper grades bleached for export	Newsprint white in rolls for export	Book and printing paper	Fine papers	Wrapping and packaging	Paperboard
	Spruce	Hemlock	White pine	Douglas-fir	Yellow birch	Douglas-fir	Spruce and pine												
1956	86.6	80.5	72.8	74.6	85.2	81.5	..	..	92.2	88.6	...	71.2	72.7	80.6	97.0				
1960	82.2	76.4	77.1	68.4	88.8	66.3	..	..	87.6	87.8	...	78.3	80.1	86.0	97.0				
1965	82.6	80.2	78.4	77.0	94.0	76.1	..	..	92.4	94.2	92.1	82.9	84.8	87.2	97.3				
1970	79.8	88.5	95.1	83.2	102.7	88.0	82.3	..	103.2	101.5	100.8	97.1	97.9	99.9	100.1				
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
1972	136.0	126.6	114.2	120.1	109.5	121.1	127.8	..	97.1	93.4	102.8	103.4	102.5	98.8	103.2				
1973	167.8	173.7	151.3	160.5	136.1	139.0	137.1	..	120.6	117.5	109.4	119.6	116.9	108.5	114.0				
1974	133.9	161.7	164.4	147.3	153.6	153.8	138.3	..	191.8	187.7	136.7	154.2	152.4	144.6	141.9				
1975	131.8	158.8	146.9	145.6	148.5	161.0	150.2	..	235.9	238.9	172.2	163.9	162.5	163.0	153.4				
1976	159.5	173.5	152.6	168.7	155.4	173.8	167.2	149.0	218.8	230.6	177.6	164.8	161.6	155.7	162.5				
1977	188.8	204.0	165.8	204.5	167.4	177.5	170.1	171.3	220.8	233.1	210.4	173.6	165.0	155.4	166.7				
1978	242.9	239.2	200.5	243.4	187.0	228.8	212.6	215.9	210.2	213.1	236.4	190.5	173.6	164.5	171.7				
1979	275.9	315.3	239.4	303.2	224.8	244.5	222.6	192.2	279.4	278.9	268.0	221.2	197.7	193.4	200.2				
1980	219.4	289.1	250.1	249.3	218.6	240.3	219.8	234.1	342.1	341.0	300.2	245.9	219.0	225.8	238.5				
1981	208.2	251.5	240.4	233.4	208.3	271.0	257.8	280.9	356.3	358.9	342.7	273.7	242.1	247.9	272.4				
1982	188.7	247.1	237.2	209.3	200.4	244.2	201.8	284.9	341.1	339.4	358.9	286.4	256.4	263.2	279.4				
1983	246.4	269.1	249.0	241.3	209.1	255.0	244.1	278.4	303.7	293.9	337.6	291.6	257.6	267.3	286.6				
1984	226.7	254.9	295.9	229.3	230.7	242.2	218.8	271.5	367.1	370.4	375.1	307.6	277.5	274.3	286.6				
1985	234.8	279.7	305.7	228.9	233.1	253.7	235.9	273.4	318.4	322.3	411.3	311.2	279.7	280.2	323.5				
1986	270.5	309.7	289.2	240.2	...	309.4	...	...	363.7	362.6	421.6	313.5	287.9	...	329.1				

Source: Statistics Canada Cat. No. 62-011.





## SECTION VII

### FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- Capital and repair expenditures
- Contribution to Canadian Gross Domestic Product
- Corporate profits and profitability
- Economic indicators
- Income taxes

#### Gross Domestic Product

From now on, the gross domestic product (GDP) will replace the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the International practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border. Also, the GDP allows for a better comparison with the provinces and industries; provincial totals will now be additive to the national total and the GDP can be split by productive sector.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1986.

VII - 1. CORPORATE PROFITS AND PROFITABILITY<sup>a</sup> - FOREST INDUSTRIES, 1970-1984

Year	Wood industries			Paper and allied industries			Manufacturing industries		
	Before tax	After tax	Profitability	Before tax	After tax	Profitability	Before tax	After tax	Profitability
	\$000 000		%	\$000 000		%	\$000 000		%
1970	-13	-22	-0.6	229	155	3.7	2 899	1 662	5.5
1971	51	10	1.8	111	64	2.2	3 679	2 179	6.7
1972	189	90	6.0	139	65	2.4	4 361	2 590	7.5
1973	480	284	15.7	799	573	10.1	6 607	4 142	10.6
1974	188	94	6.2	1 337	852	12.2	8 697	5 272	11.6
1975	60	9	1.5	826	574	7.8	7 652	4 564	9.1
1976	206	94	5.1	573	343	5.4	7 367	4 542	8.5
1977	402	232	9.7	582	308	4.5	7 397	4 561	6.8
1978	750	474	15.7	1 191	817	8.9	10 085	6 492	9.7
1979	874	546	15.6	1 621	905	8.9	14 213	9 064	11.6
1980	380	242	6.4	2 465	1 604	13.0	15 109	9 498	10.6
1981	69	36	1.7	2 096	1 536	10.3	14 396	9 076	8.8
1982	-277	-190	-3.2	-39	28	1.4	4 910	2 843	3.4
1983	220	167	4.9	-25	32	1.1	8 796	5 715	5.7
1984	165	132	4.1	920	722	4.9	15 584	10 610	0.9

<sup>a</sup>Profitability was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

## VII - 2. CORPORATE INCOME TAXES PAID BY FOREST INDUSTRIES, 1970-1985

Year	Forestry services and logging			Wood industries			Paper and allied industries			Total		
	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total
	\$000 000											
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.3	484.7	262.3	747.0
1980	32.2	17.9	50.1	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.6	665.1
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.1	5.8	15.9	27.3	11.9	39.2	73.1	41.2	114.3	110.5	58.9	169.4
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.9	8.9	24.8	36.9	20.9	57.8	82.5	70.2	152.7	135.3	100.0	235.3
1985p	14.7	8.7	23.4	42.7	25.4	68.1	77.3	71.9	149.2	134.7	106.0	240.7

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

## VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1985

Sector / year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other <sup>a</sup>	Canada
\$000													
<b>A. Forestry services and logging</b>													
1970	x	-	155	344	866	832	x	x	x	18 603	-	x	21 454
1971	206	-	177	528	1 763	954	66	-	528	16 399	-	x	20 670
1972	132	-	303	712	x	2 577	23	x	415	23 963	x	-	29 690
1973	189	-	861	612	1 871	4 645	x	x	495	43 378	x	-	52 169
1974	271	-	1 674	741	2 234	4 172	x	x	x	32 290	-	x	42 160
1975	108	-	545	834	x	2 105	x	224	x	22 015	x	-	28 942
1976	215	-	501	872	2 973	2 753	x	332	1 474	34 246	x	-	43 436
1977	109	-	x	902	2 628	3 429	29	325	1 597	45 937	x	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	x	1 478	50 102	x	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 451	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	19 549	x	2 798	114 621	x	x	147 949
1981	791	-	2 713	2 197	11 658	8 525	x	908	x	54 577	x	197	84 185
1982	615	x	1 180	1 972	14 304	9 983	x	752	x	42 751	118	x	74 519
1983	570	x	1 101	x	17 516	11 600	471	938	x	59 001	x	x	98 463
1984	563	x	3 560	5 538	28 982	18 196	520	x	4 775	64 340	113	x	127 827
1985p	1 098	x	2 394	6 161	36 628	17 239	x	x	x	63 114	x	x	133 008
<b>B. Wood Industries</b>													
1970	x	x	835	722	10 746	10 789	399	361	4 089	11 323	-	-	39 326
1971	51	x	996	646	14 473	13 273	457	1 773	5 114	32 558	-	-	69 343
1972	73	x	1 775	1 081	32 502	22 433	627	4 851	15 921	82 103	x	-	162 635
1973	149	x	3 124	6 996	64 166	39 709	1 561	6 640	14 949	201 771	x	-	339 351
1974	x	31	4 219	6 879	40 992	37 986	1 455	2 210	8 552	80 340	x	-	182 922
1975	x	421	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	-	-	150 364
1976	x	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	245 446
1977	x	120	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	x	332 455
1978	x	128	3 879	4 234	65 469	52 091	3 981	10 233	23 071	391 233	-	x	554 759
1979	x	179	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	490	697 696
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	201	318 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	50	207 635
1982	250	78	2 004	2 425	38 132	46 399	3 130	1 522	8 671	30 931	-	x	133 575
1983	296	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	-	277	236 027
1984	357	276	5 095	10 136	105 775	65 467	6 775	5 979	8 195	56 870	x	x	265 182
1985p	458	220	4 986	8 806	117 535	73 533	6 444	6 797	11 555	80 359	x	x	310 842



Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other <sup>a</sup>	Canada
							\$000						
<b>C. Paper and allied industries</b>													
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1971	63	x	2 961	1 175	27 767	40 439	3 142	411	6 581	41 345	-	x	124 160
1972	125	-	3 022	1 081	38 277	46 339	2 455	457	5 438	53 904	-	407	151 505
1973	404	244	5 684	11 515	78 749	112 882	5 083	865	15 904	127 537	-	1 662	360 529
1974	19 466	x	11 700	32 087	278 793	261 061	10 402	1 746	35 206	92 699	-	1 046	744 411
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	x	387 540
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	x	375 114
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 538	151 874	2 620	972	18 892	140 532	-	x	644 059
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	391 886	-	x	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	1 378 262
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	39 790	64 293	-	x	837 138
1982	2 351	-	29 912	4 868	139 634	108 902	6 685	x	33 316	10 054	-	x	336 571
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	-	347 003
1984	12 533	x	35 143	20 477	260 302	275 447	10 652	x	43 878	20 136	-	x	680 540
1985p	22 783	x	15 883	9 795	279 029	333 357	13 172	x	19 981	14 746	-	x	710 496
<b>D. Forest industries</b>													
1970	94	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1971	320	x	4 134	2 349	44 003	54 666	3 665	2 184	12 223	90 302	-	x	214 173
1972	330	x	3 159	2 874	70 779	71 349	3 105	5 308	21 854	159 970	x	407	343 830
1973	742	244	9 669	19 123	144 786	157 236	6 644	7 505	30 853	372 686	x	1 662	752 049
1974	19 737	31	17 593	39 707	322 019	303 219	11 857	3 956	43 758	205 329	x	1 046	969 493
1975	14 814	421	39 324	21 965	183 596	142 004	5 663	5 475	43 872	105 095	x	x	566 846
1976	580	x	32 332	6 006	147 572	108 291	5 096	7 533	53 611	301 926	x	x	663 996
1977	10 119	120	38 552	3 421	179 076	119 876	7 527	8 061	43 247	357 209	x	x	782 167
1978	35 829	163	39 586	11 893	318 007	209 538	6 678	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	179	72 032	26 859	558 101	371 830	8 481	10 047	75 209	941 346	x	735	2 115 021

<sup>a</sup>Other: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

## VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1987

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
\$000 000						
<b>A. Logging Industry</b>						
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1971	27.2	26.7	109.3	11.3	7.1	181.8
1972	28.9	31.5	134.2	13.3	8.6	216.0
1973	41.7	46.0	175.2	27.9	11.2	302.0
1974	71.3	58.6	215.2	30.2	16.1	391.4
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.6	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986 p	59.0	107.6	266.6	31.7	16.1	481.0
1987 forecast	69.6	112.2	322.9	38.7	19.6	563.0
<b>B. Wood Industries</b>						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1971	26.8	25.3	158.8	7.0	26.1	244.0
1972	46.2	39.8	167.7	9.6	24.4	287.7
1973	70.6	63.2	235.4	21.3	26.3	416.8
1974	83.3	92.2	212.2	25.3	31.1	444.1
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.0
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.5	723.9
1986 p	127.6	101.0	420.0	14.8	126.8	790.0
1987 forecast	119.5	100.7	614.2	21.8	97.1	953.0

## VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1987 (CONCLUDED)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
\$000 000						
<b>C. Paper and allied industries</b>						
1950	45.1	44.3	33.0	.. <sup>a</sup>	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1971	122.8	160.2	261.5	194.4	42.6	781.5
1972	171.4	132.7	226.1	108.9	69.3	708.4
1973	263.3	162.1	154.5	56.5	76.4	712.8
1974	348.7	251.6	230.3	93.2	44.1	967.9
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 195.5
1985	994.8	908.8	534.1	566.3	166.4	3 170.4
1986 p	1 403.6	654.9	456.3	438.1	114.4	3 067.3
1987 forecast	1 444.0	731.7	764.4	414.2	289.9	3 644.2
<b>D. Forest industries</b>						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1971	176.8	212.2	529.6	212.7	75.8	1 207.3
1972	246.5	204.0	528.0	131.8	102.3	1 212.1
1973	375.6	271.3	565.1	105.5	113.9	1 431.6
1974	503.3	402.4	657.7	148.7	91.3	1 803.4
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	247.2	4 423.2
1986 p	1 590.2	863.5	1 142.9	484.6	257.3	4 338.5
1987 forecast	1 633.1	944.6	1 701.5	474.7	406.7	5 160.2

<sup>a</sup>Included in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202 and 61-205.

## VII - 5. GENERAL ECONOMIC INDICATORS BY QUARTER, 1982-1986

Year	Quarter	Real gross domestic product percent change (1981=100)	Consumer price index percent change (1981=100)	Unemployment rate (%)	Canadian dollar U.S. dollars	Merchandise trade (\$000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975-1000)
1982	1	-1.4	2.5	8.9	0.8273	3 624	16.67	1 682.0
	2	-1.2	3.1	10.4	0.8037	4 345	17.42	1 479.6
	3	-0.6	2.1	12.2	0.8002	5 204	16.08	1 542.4
	4	-0.5	1.6	12.8	0.8121	4 649	13.08	1 856.8
1983	1	1.3	0.6	12.5	0.8148	4 473	11.67	2 092.6
	2	2.2	1.4	12.2	0.8123	5 069	11.00	2 402.8
	3	1.9	1.6	11.6	0.8112	4 070	11.00	2 486.8
	4	0.8	0.9	11.1	0.8075	4 035	11.00	2 484.8
1984	1	1.0	1.3	11.4	0.7966	4 444	11.17	2 423.6
	2	2.1	0.8	11.4	0.7737	5 187	12.00	2 258.0
	3	1.0	0.9	11.3	0.7611	5 348	13.17	2 307.2
	4	1.3	0.7	11.1	0.7585	5 747	11.92	2 374.0
1985	1	0.8	1.2	11.1	0.7391	5 487	11.42	2 600.9
	2	0.4	1.1	10.6	0.7303	4 479	10.58	2 694.7
	3	0.8	0.9	10.3	0.7353	3 494	10.33	2 743.6
	4	1.8	0.9	10.1	0.7250	4 014	10.00	2 810.9
1986	1	0.6	1.2	9.7	0.7124	2 463	12.00	2 915.4
	2	0.7	0.8	9.6	0.7224	2 703	10.58	3 095.5
	3	0.2	1.2	9.7	0.7219	2 201	9.75	2 980.9
	4	0.1	1.0	9.4	0.7222	2 766	9.75	3 050.6

Source: Statistics Canada Cat. No. 13-001, 13-004, and 13-007.

VII - 6. GENERAL ECONOMIC INDICATORS, 1970-1986

Year	G.D.P. <sup>a</sup> at market price		G.D.P. in constant (1981 dollar)		Implicit price index		Consumer price index		Unemployment rate %	Canadian dollar in U.S. dollars	Merchandise trade \$000 000	Prime rate %	Conventional 5-year mortgage rate %
	Value (\$000 000)	Percent change	Value (\$000 000)	Percent change	(1981=100)	Percent change	(1981=100)	Percent change					
1970	89 116	7.3	219 498	2.6	40.6	4.6	41.0	3.3	5.7	0.9579	3 052	8.17	10.45
1971	97 290	9.2	232 137	5.8	41.9	3.2	42.2	2.9	6.2	0.9903	2 563	6.48	9.43
1972	108 629	11.7	245 441	5.7	44.3	5.7	44.2	4.7	6.2	1.0096	1 857	6.00	9.21
1973	127 372	17.3	264 369	7.7	48.2	8.8	47.6	7.7	5.5	0.9999	2 735	7.65	9.59
1974	152 111	19.4	276 006	4.0	55.1	14.3	52.8	10.9	5.3	1.0225	1 689	10.75	11.24
1975	171 540	12.8	283 187	2.6	60.6	10.0	58.5	10.8	6.9	0.9830	-451	9.42	11.43
1976	197 924	15.4	300 638	6.1	65.8	8.6	62.9	7.5	7.1	1.0141	1 559	10.04	11.78
1977	217 879	10.1	311 504	3.6	69.9	6.2	67.9	7.9	8.1	0.9403	2 975	8.50	10.36
1978	241 604	10.9	325 751	4.6	74.2	6.1	73.9	8.8	8.3	0.8772	4 315	9.69	10.59
1979	276 096	14.3	338 362	3.9	81.6	10.0	80.7	9.2	7.4	0.8538	4 425	12.90	11.17
1980	309 891	12.2	343 384	1.5	90.3	10.7	88.9	10.2	7.5	0.8554	8 778	14.25	14.31
1981	355 994	14.9	355 994	3.7	100.0	10.7	100.0	12.5	7.5	0.8342	7 292	19.29	18.15
1982	374 750	5.3	344 082	-3.3	108.9	8.9	110.8	10.8	11.1	0.8108	17 822	15.81	17.89
1983	405 425	8.2	354 784	3.1	114.3	5.0	117.2	5.8	11.9	0.8114	17 647	11.17	13.30
1984	443 327	9.3	374 462	5.5	118.4	3.6	122.3	4.4	11.3	0.7722	20 726	12.06	13.61
1985	476 361	7.5	389 324	4.0	122.4	3.4	127.2	4.0	10.5	0.7323	17 474	10.58	12.18
1986	505 227	6.1	401 531	3.1	125.8	2.8	132.4	4.1	9.6	0.7197	10 133	10.52	11.22

<sup>a</sup>Gross domestic product.

Source: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.



## VII - 7. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.), 1970-1984

Year	G.D.P. at market price		Indirect taxes		Subsidies		G.D.P. at factor cost		Forestry services		Wood Industries		Paper and allied Industries		Total forest Industries	
	\$000 000		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000	
1970	86 648.1		12 054.9		755.9		75 349.1		-		-		-		-	
1971	95 070.6		13 047.6		771.9		82 794.9		669.5	0.8	831.2	1.0	1 566.4	1.9	3 067.1	3.7
1972	106 517.0		14 759.9		883.9		92 641.1		767.7	0.8	1 162.0	1.3	1 707.6	1.9	3 637.3	3.9
1973	125 339.1		16 685.9		1 087.9		109 741.1		980.1	0.9	1 663.6	1.5	2 149.4	2.0	4 793.1	4.4
1974	150 406.7		20 876.0		2 619.1		126 911.6		1 111.8	0.9	1 480.5	1.2	3 406.8	2.7	5 999.1	4.7
1975	168 185.7		21 441.9		3 857.9		150 601.7		1 080.9	0.7	1 456.6	1.0	2 945.5	2.0	5 483.0	3.7
1976	194 902.0		24 864.0		3 344.0		173 382.0		1 339.8	0.8	1 936.0	1.1	3 436.3	2.0	6 712.1	3.9
1977	213 536.0		27 227.0		3 320.0		189 629.0		1 494.0	0.8	2 440.8	1.3	3 561.6	1.9	7 496.4	4.0
1978	238 219.0		29 090.0		3 527.0		212 656.0		1 681.0	0.8	3 010.2	1.4	4 027.1	1.9	8 718.3	4.1
1979	272 175.0		32 533.0		4 805.0		244 447.0		2 026.9	0.8	3 436.2	1.4	5 051.3	2.1	10 514.4	4.3
1980	306 651.0		36 085.0		7 352.0		277 918.0		2 133.1	0.8	3 019.5	1.1	5 934.7	2.1	11 087.3	4.0
1981	352 039.0		46 431.0		8 694.0		314 302.0		2 037.4	0.6	2 935.2	0.9	6 124.8	1.9	11 097.4	3.4
1982	370 105.0		48 582.0		8 226.0		329 749.8		1 824.2	0.6	2 333.1	0.7	5 316.3	1.6	9 473.6	2.9
1983	402 084.0		50 044.0		8 627.0		360 667.0		2 321.4	0.6	3 490.8	1.0	5 606.3	1.6	11 418.5	3.2
1984	436 870.0		55 102.0		10 952.0		392 720.0		2 416.9	0.6	3 405.2	0.9	6 495.0	1.7	12 317.1	3.1

Source: Statistics Canada Cat. No. 13-213 and 61-202.

VII - 8. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) BY PROVINCE, 1984

Province	G.D.P. at market price	Indirect taxes \$000 000	Subsidies	G.D.P. at factor cost	Forestry services		Wood Industries		Paper and allied Industries		Total forest Industries	
					\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%
Nfld.	5 995	676	133	5 452	52.8	1.0	8.1	0.1	x	x	x	x
P.E.I.	1 229	142	47	1 134	0.2	0.1	6.7	0.6	-	-	-	x
N.S.	10 444	1 402	440	9 482	39.9	0.4	48.4	0.5	186.1	2.0	274.4	2.9
N.B.	8 074	1 166	267	7 175	193.8	2.7	87.8	1.2	272.2	3.8	553.8	7.7
Atlantic	25 742	3 386	887	23 243	286.7	1.2	151.0	0.6	x	x	x	x
Que	97 631	13 636	2 303	86 298	389.9	0.5	876.3	1.0	2 255.0	2.6	3 521.2	4.1
Ont.	167 741	22 710	2 046	147 077	442.6	0.3	657.6	0.4	2 070.0	1.4	3 170.2	2.2
Man.	16 636	2 010	431	15 057	19.9	0.1	52.9	0.4	90.2	0.6	163.0	1.1
Sask.	17 437	1 902	977	16 512	22.9	0.1	34.5	0.2	x	x	x	x
Alta.	60 007	4 808	3 328	58 527	34.1	0.6	199.8	0.3	198.0	0.3	431.9	0.8
Prairies	94 080	8 720	4 736	90 096	76.9	0.1	287.2	0.3	x	x	x	x
B.C.	49 974	6 562	936	44 348	1 220.8	2.8	1 433.1	3.2	1 248.3	2.8	3 902.2	8.8
Yukon and N.W.T.	1 702	88	44	1 658	-	-	-	-	-	-	-	-
<b>Total</b>	<b>436 870</b>	<b>55 102</b>	<b>10 952</b>	<b>392 720</b>	<b>2 416.9</b>	<b>0.6</b>	<b>3 405.2</b>	<b>0.9</b>	<b>6 495.0</b>	<b>1.7</b>	<b>12 317.1</b>	<b>3.1</b>

Source: Statistics Canada Cat. No. 13-213 and 61-202.



## SECTION VIII

### RELATED DATA

- Housing starts
- Transportation

## VIII - 1. TRANSPORT STATISTICS BY FOREST PRODUCTS, 1984-1986

	Railways			Trucking			Marine traffic								
	Revenue freight			For hire			Cargo tonnes loaded	Tonnes loaded (exports)	Tonnes unloaded (imports)	Cargo tonnes loaded	Tonnes loaded (exports)	Tonnes unloaded (imports)	Total		
	loaded domestically onto railway cars in Canada														
	Class 1-2	Class 3	Private	Class 1-2	Class 3	Private									
Forest products	1984	1985	1986	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
1 000 t															
Primary wood products	12 026	12 069	12 007	9 881	7 036	4 001	20 918	12 724	4 453	88	17 265	14 319	3 615	283	10 217
Logs and bolts	1 452	1 263	1 417	4 009	..	1 343	..	8 912	2 413	63	11 388	10 255	1 837	203	12 296
Pulpwood	2 137	1 994	1 813	764	..	2 366	..	3 809	2 037	10	5 856	4 063	1 773	68	5 903
Wood chips	8 437	8 812	8 777	4 926	..	..	..	..	..	..	..	..	..	..	..
Other primary products	..	..	..	182	..	292	..	4	3	15	21	1	5	12	18
Wood-fabricated															
Materials	9 595	10 071	9 768	6 172	463	2 831	9 466	614	5 319	97	6 030	673	5 524	196	6 392
Lumber	8 270	8 545	8 356	4 702	..	2 706	..	599	5 099	63	5 760	662	5 310	135	6 107
Other wood products	1 325	1 526	1 412	1 470	..	125	..	15	220	34	269	11	214	61	285
Wood pulp and paper															
Products	12 089	12 437	12 934	2 969	99	483	3 551	947	6 651	249	7 847	1 003	7 059	286	8 348
Wood pulp	5 499	5 766	6 220	174	..	-	..	488	3 397	55	3 941	567	3 754	81	4 402
Newsprint	5 124	5 174	5 183	2 248	..	281	..	402	2 782	-	3 184	394	2 774	14	3 182
Paperboard, pulpboard, fiberboard	1 466	1 497	1 531	547	..	202	..	56	473	193	722	43	531	191	764
Total forest products <sup>a</sup>	33 710	34 577	34 709	19 022	7 598	7 315	33 935	14 285	16 423	434	31 142	15 996	16 197	765	32 957
Total products	239 908	237 874	237 012	134 878	27 159	58 098	220 135	68 698	145 322	60 073	274 093	61 717	143 421	60 669	265 807
X	14.1	14.5	14.6	14.1	30.0	12.6	15.4	20.8	11.3	0.7	11.4	25.9	11.3	1.3	12.4

<sup>a</sup>Products transported in Canada in 1984 (1 000 t):

Primary wood products	50 209.
Wood-fabricated materials	25 091.
Wood pulp and paper products	23 487.
Total forest products	98 787.
Total products	797 136.

Source: Statistics Canada, Cat. No. 52-001, 53-222, 54-109 and 54-210.



VIII - 2. DWELLING UNITS<sup>a</sup> STARTED BY PROVINCE, 1950-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	92 531
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	108 858
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	190 528
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	233 653
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	249 914
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	268 529
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	222 123
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	231 456
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	273 203
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	245 724
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	227 667
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	197 049
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	158 601
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	177 973
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	125 860
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	162 645
1984	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	134 900
1985	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	165 826
1986	2 883	1 100	7 571	4 045	15 599	60 348	81 470	7 699	5 510	8 462	21 671	20 687	199 775

<sup>a</sup>Dwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Source: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. VALUE OF BUILDING CONSTRUCTION IN CANADA<sup>a</sup>, 1961-1986

Year	Residential			Industrial	Commercial	Institutional	Other	Total
	New	Repair	Total					
1960	1 456	457	1 913	452	738	615	333	4 051
1970	3 138	871	4 009	1 000	1 287	1 330	473	8 098
1971	4 025	951	4 976	1 023	1 405	1 456	507	9 367
1972	4 820	1 051	5 871	927	1 706	1 249	575	10 328
1973	5 977	1 188	7 165	1 162	2 211	1 200	666	12 404
1974	7 010	1 451	8 461	1 556	2 969	1 383	877	15 246
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089	16 609
1976	10 853	1 817	12 669	1 479	3 628	1 594	1 101	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123	21 308
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310	22 234
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414	24 706
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560	26 540
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979	31 537
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062	28 842
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905	30 753
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003	31 411
1985p	14 437	4 313	18 750	3 215	8 201	3 143	2 025	35 334
1986forecast	16 601	4 576	21 177	3 395	8 563	3 404	2 010	38 549

<sup>a</sup>Total value of construction work purchased by type of structure.

Source: Statistics Canada Cat. No. 64-201.

## SECTION IX

### WORLD FORESTRY

The world forestry figures were retrieved from the "1984 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization in collaboration with the Economic Commission for Europe compiled the results.

The time series published at the end of this section were compiled using the 1985 Yearbook data on tape released in April 1987.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

**IX - 1. WORLD FOREST RESOURCES - FOREST AREAS AND GROWING STOCKS  
BY REGION AND SPECIES GROUP**

Continents and countries	Forest areas						Forest percent of land areas <sup>a</sup>	Growing stocks		
	Closed forest		Other wooded land		Total			Softwoods	Hardwoods	Total
	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods				
	1 000 ha						%	1 000 000 m <sup>3</sup>		
Total North America	287 792	171 564	220 245	54 875	508 037	226 439	37.9	28 500	11 400	39 700
Canada	204 255	59 845	145 910	26 390	350 165	86 235	43.7	15 500	4 100	19 600
United States	83 537	111 719	74 335	28 485	157 872	140 204	31.8	12 800	7 300	20 100
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	26.9	1 900	3 600	5 500
South America	19 474	647 498	1 000	247 047	20 474	894 545	51.4	900	90 600	91 500
Africa	7 776	228 088	6 115	501 734	13 891	729 822	24.5	200	24 800	25 000
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	30.5	8 000	4 000	12 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	41.5	65 300	20 600	85 900
Asia	86 552	275 270	15 688	90 722	102 238	365 992	18.5	6 000	32 000	38 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	27.9	700	5 300	6 000
World	1 120 805	1 827 486	342 757	1 029 455	1 463 562	2 856 941	32.3	111 300	192 300	303 600

<sup>a</sup> Including water.

Source: Forest resources 1980, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. Trends in timber supply and trade-in information review 1980. Department of the Environment, London.

## IX - 2. WORLD PRODUCTION OF ROUNDWOOD, 1984

Trade area	Industrial roundwood						Fuelwood and charcoal	Total roundwood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m <sup>3</sup>							
<b>Total North America</b>	<b>309 586</b>	<b>168 524</b>	<b>12 834</b>	<b>490 944</b>	<b>400 400</b>	<b>90 543</b>	<b>108 119</b>	<b>599 063</b>
Canada	111 269	42 174	1 365	154 808	145 275	9 533	6 197	161 005
United States	198 317	126 350	11 469	336 136	255 126	81 010	101 922	438 058
<b>Central America</b>	<b>7 327</b>	<b>2 870</b>	<b>886</b>	<b>11 083</b>	<b>7 841</b>	<b>3 242</b>	<b>45 512</b>	<b>56 595</b>
Mexico	4 339	2 760	162	7 261	6 539	722	13 501	20 762
<b>South America</b>	<b>47 278</b>	<b>27 469</b>	<b>7 063</b>	<b>81 810</b>	<b>32 907</b>	<b>48 903</b>	<b>214 777</b>	<b>296 587</b>
Brazil	31 744	20 900	5 026	57 670	23 402	34 268	164 507	222 177
Chile	4 537	3 889	553	8 979	7 960	1 019	5 992	14 971
Venezuela	610	-	26	636	-	636	686	1 322
<b>Africa</b>	<b>21 904</b>	<b>6 958</b>	<b>23 728</b>	<b>52 590</b>	<b>8 529</b>	<b>44 061</b>	<b>370 465</b>	<b>423 055</b>
Algeria	20	-	207	227	153	74	1 461	1 688
Morocco	68	241	262	571	99	472	1 146	1 717
Middle East - Africa	4 595	1 532	6 720	12 847	5 524	7 323	32 882	45 729
- Asia	211	-	1 864	2 075	88	1 987	36 838	38 913
<b>Europe</b>	<b>153 635</b>	<b>108 443</b>	<b>26 384</b>	<b>288 462</b>	<b>209 398</b>	<b>79 064</b>	<b>54 751</b>	<b>343 213</b>
Western Europe	115 358	87 299	10 166	212 823	160 549	52 273	39 126	251 949
Economic Community	41 275	21 499	4 957	67 731	43 259	24 472	22 154	89 885
Belgium-Luxembourg	1 625	668	255	2 548	1 731	817	538	3 086
Denmark	1 233	707	961	2 901	2 318	583	351	3 252
France	18 611	8 974	672	28 257	15 227	13 030	10 424	38 681
Germany, Fed. Rep.	13 690	8 008	1 280	22 978	17 669	5 309	3 800	26 778
Greece	407	142	219	768	390	378	1 915	2 683
Ireland	638	545	27	1 210	1 198	12	46	1 256
Italy	2 333	980	1 102	4 415	1 131	3 284	4 844	9 259
Netherlands	353	375	166	894	655	239	96	990
United Kingdom	2 385	1 100	275	3 760	2 940	820	140	3 900
Scandinavia	46 203	48 353	1 902	96 458	84 697	11 761	8 376	104 834
Finland	17 633	18 656	1 433	37 722	32 012	5 710	3 153	40 875
Norway	4 810	4 722	289	9 821	9 365	456	799	10 620
Sweden	23 760	24 975	180	48 915	43 320	5 595	4 424	53 339
Other Western Europe	19 692	15 723	2 078	37 493	27 850	9 643	4 646	42 139
USSR	150 900	37 500	86 900	275 300	244 300	31 000	80 300	355 600
Other Eastern Europe	46 465	22 868	17 447	86 780	53 592	33 188	19 575	106 355
<b>Asia</b>	<b>153 431</b>	<b>20 689</b>	<b>55 081</b>	<b>229 201</b>	<b>82 252</b>	<b>146 949</b>	<b>712 188</b>	<b>941 389</b>
China, People's Rep.	40 784	5 313	30 917	77 014	48 355	28 659	154 636	231 650
Hong Kong	-	-	-	-	-	-	180	180
India	14 791	1 208	4 274	20 273	2 231	18 042	221 812	242 085
Japan	20 396	10 383	1 454	32 233	21 071	11 162	586	32 819
Korea, Rep. of (South)	1 137	317	812	2 266	1 667	599	4 409	6 675
Southeast Asia	64 057	1 841	7 630	73 528	692	72 837	191 588	265 116
<b>Oceania</b>	<b>13 669</b>	<b>11 215</b>	<b>1 366</b>	<b>26 250</b>	<b>14 029</b>	<b>12 222</b>	<b>8 789</b>	<b>35 039</b>
Australia	7 358	7 322	722	15 412	5 378	10 034	2 874	18 286
New Zealand	4 583	3 665	636	8 884	8 516	368	50	8 934
<b>World</b>	<b>857 730</b>	<b>383 669</b>	<b>214 242</b>	<b>1 455 641</b>	<b>999 657</b>	<b>455 983</b>	<b>1 594 901</b>	<b>3 050 542</b>

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

## IX - 3. WORLD PRODUCTION OF LUMBER, 1984

Trade area	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
	1 000 m <sup>3</sup>				
<b>Total North America</b>	<b>121 587</b>	<b>15 958</b>	<b>137 545</b>	<b>210</b>	<b>137 755</b>
Canada	48 587	1 288	49 875	-	49 875
United States	73 000	14 670	87 670	210 <sup>a</sup>	87 880
<b>Central America</b>	<b>2 111</b>	<b>805</b>	<b>2 917</b>	<b>263</b>	<b>3 181</b>
Mexico	1 451	45	1 496	215 <sup>a</sup>	1 711
<b>South America</b>	<b>9 496</b>	<b>13 100</b>	<b>22 596</b>	<b>132</b>	<b>22 728</b>
Brazil	7 475 <sup>a</sup>	8 377 <sup>a</sup>	15 852 <sup>a</sup>	-	15 852
Chile	1 710	288	1 998	3 <sup>a</sup>	2 001
Venezuela	-	210 <sup>a</sup>	210 <sup>a</sup>	-	210
<b>Africa</b>	<b>1 918</b>	<b>7 087</b>	<b>9 005</b>	<b>330</b>	<b>9 335</b>
Algeria	8 <sup>a</sup>	2 <sup>a</sup>	10 <sup>a</sup>	3 <sup>a</sup>	13
Morocco	94 <sup>a</sup>	55 <sup>a</sup>	149 <sup>a</sup>	-	149
Middle East - Africa	3 407	855	4 263	125 <sup>a</sup>	4 388
- Asia	34	56 <sup>a</sup>	90 <sup>a</sup>	-	90
<b>Europe</b>	<b>68 986</b>	<b>17 733</b>	<b>86 719</b>	<b>1 282</b>	<b>88 001</b>
Western Europe	53 661	11 476	65 137	681	65 818
Economic Community	17 638	7 573	25 211	437 <sup>a</sup>	25 648
Belgium-Luxembourg	440	250	690	52 <sup>a</sup>	742
Denmark	400 <sup>a</sup>	400	800	29 <sup>a</sup>	829
France	5 667	3 485	5 152	209 <sup>a</sup>	9 361
Germany, Fed. Rep.	8 321	1 602	9 923	93	10 016
Greece	191	130	321	-- <sup>a</sup>	321
Ireland	285	5	290	-	290
Italy	1 003	1 179	2 182	52	2 234
Netherlands	153	182	335	--	335
United Kingdom	1 178	340	1 518	2 <sup>a</sup>	1 520
Scandinavia	22 290	288	22 578	61 <sup>a</sup>	22 639
Finland	8 146	86	8 232	33	8 265
Norway	2 350	12	2 362	2 <sup>a</sup>	2 364
Sweden	11 794	190	11 984	26 <sup>a</sup>	12 010
Other Western Europe	11 241	1 459	12 700	173	12 873
USSR	84 000 <sup>b</sup>	12 000 <sup>b</sup>	96 000 <sup>b</sup>	-	96 000
Other Eastern Europe	17 817	8 413	26 230	611	26 841
<b>Asia</b>	<b>47 218</b>	<b>42 897</b>	<b>90 116</b>	<b>790</b>	<b>90 906</b>
China, People's Rep.	15 330	9 014	24 344	66	24 410
Hong Kong	-	248 <sup>a</sup>	248 <sup>a</sup>	-	248
India	1 480 <sup>a</sup>	9 249 <sup>a</sup>	10 729 <sup>a</sup>	252 <sup>a</sup>	10 981
Japan	23 293	5 305	28 598	69 <sup>a</sup>	28 667
Korea, Rep. of (South)	2 510 <sup>a</sup>	942 <sup>a</sup>	3 452 <sup>a</sup>	66 <sup>a</sup>	3 518
Southeast Asia	59	15 984	16 043	181 <sup>a</sup>	16 224
<b>Oceania</b>	<b>3 264</b>	<b>2 108</b>	<b>5 372</b>	<b>210</b>	<b>5 582</b>
Australia	1 144	1 881	3 025	196 <sup>a</sup>	3 221
New Zealand	2 060	36	2 096	14 <sup>a</sup>	2 110
<b>World</b>	<b>338 580</b>	<b>111 689</b>	<b>450 269</b>	<b>3 218</b>	<b>453 487</b>

<sup>a</sup>Unofficial figure.<sup>b</sup>FAO estimate.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.



Trade area	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
1 000 m <sup>3</sup>						
<b>Total North America</b>	<b>19 830</b>	<b>8 957</b>	<b>474</b>	<b>2 156</b>	<b>3 238</b>	<b>34 655</b>
Canada	1 846	2 034	474 <sup>a</sup>	161	529	5 044
United States	17 984	6 923	-	1 995	2 709	29 611
<b>Central America</b>	<b>348</b>	<b>403</b>	<b>10</b>	<b>113</b>	<b>-</b>	<b>874</b>
Mexico	286	379	2	65	-	732
<b>South America</b>	<b>1 196</b>	<b>1 188</b>	<b>364</b>	<b>657</b>	<b>231</b>	<b>3 636</b>
Brazil	902 <sup>a</sup>	660 <sup>a</sup>	234 <sup>a</sup>	527 <sup>a</sup>	200 <sup>a</sup>	2 523
Chile	20	114	9	40	-	183
Venezuela	47	78 <sup>a</sup>	-	-	4 <sup>a</sup>	129
<b>Africa</b>	<b>525</b>	<b>447</b>	<b>504</b>	<b>131</b>	<b>33</b>	<b>1 640</b>
Algeria	23 <sup>a</sup>	24 <sup>a</sup>	2 <sup>a</sup>	-	-	50
Morocco	50 <sup>a</sup>	30 <sup>a</sup>	25 <sup>a</sup>	-	-	105
Middle East - Africa	186	744	12	96	10	1 049
- Asia	10	36 <sup>a</sup>	1	-	8 <sup>a</sup>	54
<b>Europe</b>	<b>3 160</b>	<b>22 524</b>	<b>1 640</b>	<b>2 960</b>	<b>1 159</b>	<b>31 443</b>
Western Europe	2 361	17 846	1 306	1 748	714	23 975
Economic Community	1 377	11 914	847 <sup>a</sup>	705	176	15 019
Belgium-Luxembourg	58	1 750	35	-	6	1 849
Denmark	30 <sup>a</sup>	240	6 <sup>a</sup>	-- <sup>a</sup>	-	276
France	476	1 760	58 <sup>a</sup>	143	52	2 489
Germany, Fed. Rep.	336	5 992	405	222	50 <sup>a</sup>	7 005
Greece	97	270	12 <sup>a</sup>	18 <sup>a</sup>	-	397
Ireland	-	30	-	-	-	30
Italy	346	1 300	309	250	-	2 205
Netherlands	17	30	-	-	39	86
United Kingdom	17	542	22 <sup>a</sup>	72	29	682
Scandinavia	669	1 899	31 <sup>a</sup>	442	410	3 451
Finland	592	541	18 <sup>a</sup>	103	111	1 365
Norway	11	380	-	66	163	620
Sweden	66	978	13 <sup>a</sup>	273	136	1 466
Other Western Europe	174	3 274	183	413	128	4 172
USSR	2 385	6 860	476 <sup>a</sup>	1 707 <sup>a</sup>	1 506 <sup>a</sup>	12 934
Other Eastern Europe	940	5 437	579	1 400	445	8 801
<b>Asia</b>	<b>16 366</b>	<b>2 303</b>	<b>1 153</b>	<b>1 125</b>	<b>333</b>	<b>21 279</b>
China, People's Rep.	1 634	120	7	627	-	2 388
Hong Kong	12 <sup>a</sup>	-	-	-	-	12
India	180 <sup>a</sup>	21 <sup>a</sup>	4 <sup>a</sup>	21 <sup>a</sup>	2 <sup>a</sup>	228
Japan	7 291 <sup>a</sup>	1 221 <sup>a</sup>	300 <sup>a</sup>	257	305	9 374
Korea, Rep. of (South)	1 304	44 <sup>a</sup>	-	9	-	1 357
Southeast Asia	5 668	35	819	98	16	6 636
<b>Oceania</b>	<b>150</b>	<b>785</b>	<b>51</b>	<b>200</b>	<b>44</b>	<b>1 231</b>
Australia	82	645	29 <sup>a</sup>	90	12	858
New Zealand	55 <sup>a</sup>	140 <sup>a</sup>	4 <sup>a</sup>	110	32	341
<b>World</b>	<b>43 960</b>	<b>43 466</b>	<b>4 673</b>	<b>9 049</b>	<b>6 544</b>	<b>107 693</b>

<sup>a</sup>FAO estimate.Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

## IX - 5. WORLD PRODUCTION OF WOOD PULP, 1984

Trade area	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
1 000 t					
<b>Total North America</b>	<b>51 685</b>	<b>4 051</b>	<b>13 823</b>	<b>1 315</b>	<b>70 874</b>
Canada	11 099	331	8 800	221	20 451
United States	40 586	3 720	5 023	1 094	50 423
<b>Central America</b>	<b>413</b>	<b>-</b>	<b>67</b>	<b>4</b>	<b>484</b>
Mexico	413	-	65	4 <sup>a</sup>	482
<b>South America</b>	<b>4 244</b>	<b>287</b>	<b>469</b>	<b>43</b>	<b>5 043</b>
Brazil	3 014	104	275 <sup>a</sup>	40 <sup>a</sup>	3 433
Chile	682	-	157	-	839
Venezuela	63 <sup>b</sup>	-	4 <sup>b</sup>	-	67
<b>Africa</b>	<b>652</b>	<b>129</b>	<b>170</b>	<b>406</b>	<b>1 357</b>
Algeria	-	-	-	-	-
Morocco	95	-	-	-	95
Middle East - Africa	211	3	152	11 <sup>a</sup>	377
- Asia	-	-	-	-	-
<b>Europe</b>	<b>20 727</b>	<b>1 518</b>	<b>10 239</b>	<b>1 217</b>	<b>33 701</b>
Western Europe	17 960	1 241	9 657	893	29 751
Economic Community	2 385	436 <sup>a</sup>	2 688 <sup>a</sup>	201	5 710
Belgium-Luxembourg	225	-	120	-	345
Denmark	-	68	-	-	68
France	1 447	120	460	8	2 035
Germany, Fed. Rep.	583	77	1 399	163	2 222
Greece	-	-	15 <sup>a</sup>	-	15
Ireland	-	-	-	-	-
Italy	130	72	474	30	706
Netherlands	-	-	146	-	146
United Kingdom	-	99 <sup>a</sup>	74 <sup>a</sup>	-	173
Scandinavia	11 846	622	6 238	430	19 136
Finland	4 568	301 <sup>a</sup>	2 958	204	8 031
Norway	582	73	1 083	126	1 864
Sweden	6 696	248	2 197	100	9 241
Other Western Europe	3 226	61	602	179	4 068
USSR	6 670	366 <sup>a</sup>	1 921 <sup>a</sup>	846 <sup>a</sup>	9 803
Other Eastern Europe	3 270	399	711	407	4 787
<b>Asia</b>	<b>8 689</b>	<b>620</b>	<b>2 359</b>	<b>438</b>	<b>12 107</b>
China, People's Rep.	1 000	-	355	-	1 355
Hong Kong	-	-	-	-	-
India	420	77	77	175	749
Japan	6 755	540	1 563	252	9 110
Korea, Rep. of (South)	121	-	137	-	258
Southeast Asia	123	-	40	-	163
<b>Oceania</b>	<b>876</b>	<b>229</b>	<b>876</b>	<b>-</b>	<b>1 981</b>
Australia	253	207	363	-	823
New Zealand	623 <sup>a</sup>	22 <sup>a</sup>	513 <sup>a</sup>	-	1 158
<b>World</b>	<b>93 957</b>	<b>7 200</b>	<b>29 925</b>	<b>4 269</b>	<b>135 350</b>

<sup>a</sup>Unofficial figure<sup>b</sup>FAO estimate.

Note: Canada produces about 15% of the world output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

Trade area	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paper board	Total
1 000 t						
<b>Total North America</b>	<b>14 043</b>	<b>18 291</b>	<b>36 766</b>	<b>4 997</b>	<b>2 491</b>	<b>76 588</b>
Canada	9 014	1 943	2 865 <sup>a</sup>	400 <sup>a</sup>	-	14 222
United States	5 029	16 348	33 901 <sup>a</sup>	4 597 <sup>a</sup>	2 491	62 366
<b>Central America</b>	<b>199</b>	<b>511</b>	<b>1 290</b>	<b>319</b>	<b>98</b>	<b>2 417</b>
Mexico	199	461	1 198	273	60	2 191
<b>South America</b>	<b>493</b>	<b>1 563</b>	<b>3 166</b>	<b>536</b>	<b>495</b>	<b>6 253</b>
Brazil	109	1 075	1 911	271	402	3 768
Chile	170	61	111	27	6	375
Venezuela	-	113 <sup>b</sup>	330 <sup>b</sup>	103 <sup>b</sup>	11	557
<b>Africa</b>	<b>590</b>	<b>434</b>	<b>1 170</b>	<b>119</b>	<b>151</b>	<b>2 464</b>
Algeria	-	30 <sup>a</sup>	47 <sup>a</sup>	-	-	77
Morocco	-	28	48 <sup>a</sup>	-	17	93
Middle East - Africa	154	214	280 <sup>a</sup>	31	124	803
- Asia	-	43	67 <sup>a</sup>	-	15	125
<b>Europe</b>	<b>6 896</b>	<b>18 000</b>	<b>22 080</b>	<b>2 807</b>	<b>5 650</b>	<b>55 433</b>
Western Europe	6 544	17 105	20 157	2 572	3 566	49 944
Economic Community	1 736	10 222	10 986	1 711	1 806	26 461
Belgium-Luxembourg	110	438	22	10	332	912
Denmark	-	165	117 <sup>a</sup>	14 <sup>a</sup>	36	332
France	265	2 178	2 730 <sup>a</sup>	231 <sup>a</sup>	163	5 567
Germany, Fed. Rep.	721	3 779	3 447	615	597	9 159
Greece	15 <sup>a</sup>	53 <sup>a</sup>	83 <sup>a</sup>	85 <sup>a</sup>	41	277
Ireland	-	-	20 <sup>a</sup>	-	-	20
Italy	207	2 005	2 004	176	330	4 722
Netherlands	182	580	922	149	52	1 885
United Kingdom	236	1 024	1 641	431	255	3 587
Scandinavia	4 225	4 602	5 841 <sup>a</sup>	456 <sup>a</sup>	626	15 750
Finland	1 878	2 970	2 009	161	300	7 318
Norway	840	298	355 <sup>a</sup>	25 <sup>a</sup>	44	1 562
Sweden	1 507	1 334	3 477 <sup>a</sup>	270 <sup>a</sup>	282	6 870
Other Western Europe	554	1 942	3 133	405	411	6 445
USSR	1 482 <sup>a</sup>	1 249 <sup>a</sup>	-	-	6 825	9 556
Other Eastern Europe	381	1 234	2 121 <sup>a</sup>	235	2 806	6 777
<b>Asia</b>	<b>4 557</b>	<b>8 527</b>	<b>12 895</b>	<b>1 274</b>	<b>5 469</b>	<b>32 722</b>
China, People's Rep.	1 143	2 060	-	-	3 718	6 921
Hong Kong	-	-	35	1	-	36
India	350	820	800	10	-	1 980
Japan	2 553	4 551	10 099 <sup>a</sup>	1 074	1 067	19 344
Korea, Rep. of (South)	220	475	1 262	85	165	2 207
Southeast Asia	83	247	349	73	263	1 015
<b>Oceania</b>	<b>656</b>	<b>260</b>	<b>663</b>	<b>166</b>	<b>505</b>	<b>2 250</b>
Australia	378	222	355	125	440	1 520
New Zealand	278 <sup>a</sup>	38	308	41	65	730
<b>World</b>	<b>28 916</b>	<b>48 835</b>	<b>78 031</b>	<b>10 218</b>	<b>21 683</b>	<b>187 683</b>

<sup>a</sup>Unofficial figure<sup>b</sup>FAO estimate.

Note: Canada produces 31.2% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

## IX - 7. WORLD EXPORTS OF FOREST PRODUCTS, 1984

Trade area	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
<b>Total North America</b>	<b>1 642</b>	<b>3 762</b>	<b>4 141</b>	<b>585</b>	<b>4 502</b>	<b>3 809</b>	<b>6 390</b>	<b>17 261</b>
Canada	268	3 232	3 306	349	3 019	3 695	4 577	11 511
United States	1 374	530	835	236	1 483	114	1 813	5 742
<b>Central America</b>	<b>2</b>	<b>36</b>	<b>39</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>38</b>	<b>96</b>
Mexico	--	4 <sup>a</sup>	4	9	-	-	5	18
<b>South America</b>	<b>37</b>	<b>94</b>	<b>316</b>	<b>189</b>	<b>596</b>	<b>44</b>	<b>466</b>	<b>1 604</b>
Brazil	2	26	144	140	396	2	346	1 029
Chile	30	68	74	9	200	40	58	371
Venezuela	-	-	-	-	-	-	-	-
<b>Africa</b>	<b>490</b>	<b>13</b>	<b>125</b>	<b>150</b>	<b>214</b>	<b>43</b>	<b>64</b>	<b>1 042</b>
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	2	17	-	1	20
Middle East - Africa	18	25	26	20	-	-	40	104
- Asia	-	-	-	-	-	-	-	-
<b>Europe</b>	<b>929</b>	<b>3 055</b>	<b>3 689</b>	<b>1 833</b>	<b>3 131</b>	<b>1 442</b>	<b>12 113</b>	<b>21 694</b>
Western Europe	725	2 726	3 233	1 698	3 066	1 417	11 779	20 502
Economic Community	429	198	519	961	264	143	4 818	6 991
Belgium-Luxembourg	52	23	29	212	66	12	241	601
Denmark	28	18 <sup>a</sup>	30	41	14	-- <sup>a</sup>	121	233
France	165	13	140	194	92	3 <sup>a</sup>	790	1 380
Germany, Fed. Rep.	136	108	186	304	67	68	1 772	2 465
Greece	--	-- <sup>a</sup>	2	14	-	--	15	31
Ireland	6	6 <sup>a</sup>	9	3	--	-- <sup>a</sup>	16	35
Italy	2	13	29	111	23	19	560	725
Netherlands	19	14	80	32	--	30	723	854
United Kingdom	22	4	11	50	2	11	582	667
Scandinavia	147	1 954	1 964	410	2 240	1 254	5 818	10 579
Finland	81	715	719	287	684	587	2 873	4 642
Norway	18	57	57	19	208	223	486	787
Sweden	49	1 182	1 188	104	1 348	443	2 460	5 150
Other Western Europe	119	545	578	270	520	14	1 037	2 524
USSR	752	894 <sup>a</sup>	915	198	383	145 <sup>a</sup>	360	2 609
Other Eastern Europe	234	358	628	191	107	31	440	1 599
<b>Asia</b>	<b>1 797</b>	<b>74</b>	<b>1 356</b>	<b>1 636</b>	<b>34</b>	<b>37</b>	<b>884</b>	<b>5 706</b>
China, People's Rep.	15	15	36	287	12	-	65	415
Hong Kong	1	--	19	1	-	1	31	51
India	3	-	--	10	-	-	2	15
Japan	8	1	20	70	17	26	600	715
Korea, Rep. of (South)	-	24	26	118	-	--	53	197
Southeast Asia	1 673	2	1 171	1 130	5	6	88	4 068
<b>Oceania</b>	<b>323</b>	<b>47</b>	<b>65</b>	<b>31</b>	<b>114</b>	<b>51</b>	<b>138</b>	<b>670</b>
Australia	170	1	11	4	-	1	30	215
New Zealand	46	45 <sup>a</sup>	45	20	114	50 <sup>a</sup>	108	333
<b>World</b>	<b>5 971</b>	<b>7 975</b>	<b>10 646</b>	<b>4 639</b>	<b>8 974</b>	<b>5 571</b>	<b>20 452</b>	<b>50 682</b>

<sup>a</sup>FAO estimate.

Note: Canada accounts for 22.7% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

Trade area	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total
		Softwood lumber	Total			News- print	Total	
		U.S.\$000 000						
<b>Total North America</b>	<b>224</b>	<b>2 642</b>	<b>2 969</b>	<b>865</b>	<b>1 939</b>	<b>3 370</b>	<b>5 627</b>	<b>11 624</b>
Canada	128	84	246	99	94	-	438	1 005
United States	96	2 557	2 723	766	1 845	3 370	5 189	10 618
<b>Central America</b>	<b>15</b>	<b>185</b>	<b>264</b>	<b>75</b>	<b>106</b>	<b>89</b>	<b>659</b>	<b>1 118</b>
Mexico	4	29 <sup>a</sup>	62	9	81	32 <sup>a</sup>	228	383
<b>South America</b>	<b>26</b>	<b>51</b>	<b>96</b>	<b>51</b>	<b>173</b>	<b>262</b>	<b>676</b>	<b>1 023</b>
Brazil	8	-	10	7	11	67	138	175
Chile	--	-	-	-	-	-	49	49
Venezuela	16	18 <sup>a</sup>	28	32	77	82 <sup>a</sup>	133	286
<b>Africa</b>	<b>153</b>	<b>618</b>	<b>784</b>	<b>265</b>	<b>138</b>	<b>85</b>	<b>714</b>	<b>2 054</b>
Algeria	35	185 <sup>a</sup>	188	48	29	8 <sup>a</sup>	48	348
Morocco	31	49 <sup>a</sup>	60	4	8	2 <sup>a</sup>	57	160
Middle East - Africa	119	525 <sup>a</sup>	637	477	81	79 <sup>a</sup>	599	1 914
- Asia	71	317	363	118	4	42 <sup>a</sup>	176	733
<b>Europe</b>	<b>1 929</b>	<b>3 665</b>	<b>5 253</b>	<b>2 490</b>	<b>4 942</b>	<b>1 551</b>	<b>10 639</b>	<b>25 253</b>
Western Europe	1 823	3 359	4 936	2 382	4 658	1 491	10 255	24 056
Economic Community	1 091	2 988	4 362	2 048	4 047	1 393	8 968	20 516
Belgium-Luxembourg	111	93	224	112	198	55	572	1 218
Denmark	18	200 <sup>a</sup>	249	144	47	66 <sup>a</sup>	397	855
France	203	218	337	202	618	157 <sup>a</sup>	1 174	2 534
Germany, Fed. Rep.	260	526	793	493	1 313	338	2 233	5 091
Greece	30	58	64	8	64	28	119	285
Ireland	5	40 <sup>a</sup>	64	35	5	30 <sup>a</sup>	180	289
Italy	383	561	839	137	730	72	698	2 787
Netherlands	44	259	470	254	271	114	1 089	2 128
United Kingdom	38	1 033	1 323	663	800	532	2 506	5 329
Scandinavia	419	95	147	159	119	--	395	1 239
Finland	223	--	12	13	19	-	71	337
Norway	62	83	99	54	50	-	139	403
Sweden	135	11	36	92	51	--	185	499
Other Western Europe	268	257	407	162	409	94	831	2 077
USSR	26	18 <sup>a</sup>	79	40	141	17 <sup>a</sup>	673	959
Other Eastern Europe	151	325	337	121	367	65	446	1 421
<b>Asia</b>	<b>5 496</b>	<b>1 107</b>	<b>1 817</b>	<b>868</b>	<b>1 792</b>	<b>673</b>	<b>2 932</b>	<b>12 905</b>
China, People's Rep.	874	4	124	80	281	67	394	1 752
Hong Kong	54	2	29	99	2	47	382	567
India	3	-- <sup>a</sup>	2	--	39	104 <sup>a</sup>	167	212
Japan	3 762	575	828	71	979	163	491	6 131
Korea, Rep. of (South)	567	3	3	-	236	-	55	862
Southeast Asia	82	2	178	98	162	178	700	1 220
<b>Oceania</b>	<b>2</b>	<b>153</b>	<b>224</b>	<b>53</b>	<b>88</b>	<b>98</b>	<b>494</b>	<b>861</b>
Australia	--	135	199	41	84	88	426	750
New Zealand	1	5 <sup>a</sup>	10	3	4	8 <sup>a</sup>	46	64
<b>World</b>	<b>7 871</b>	<b>8 439</b>	<b>11 487</b>	<b>4 706</b>	<b>9 319</b>	<b>6 146</b>	<b>22 414</b>	<b>55 797</b>

<sup>a</sup>FAO estimate.

Note: Canada accounts for only 1.8% of total world import of forest products.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

## IX - 9. WOOD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1984

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Trade area	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			News- print	Total
		1 000 m <sup>3</sup>	1 000 m <sup>3</sup>			1 000 m <sup>3</sup>	1 000 m <sup>3</sup>
<b>Total North America</b>	<b>580 467</b>	<b>112 022</b>	<b>128 072</b>	<b>35 565</b>	<b>64 857</b>	<b>12 794</b>	<b>73 402</b>
Canada	159 393	12 082	13 730	3 731	13 606	882	4 674
United States	421 074	99 940	114 342	31 834	51 251	11 912	68 728
<b>Central America</b>	<b>56 653</b>	<b>2 835</b>	<b>4 186</b>	<b>1 100</b>	<b>768</b>	<b>389</b>	<b>3 425</b>
Mexico	20 775	1 632 <sup>a</sup>	2 000	761	703	266 <sup>a</sup>	2 476
<b>South America</b>	<b>295 760</b>	<b>8 955</b>	<b>21 761</b>	<b>3 178</b>	<b>4 002</b>	<b>888</b>	<b>6 299</b>
Brazil	222 182	7 395 <sup>a</sup>	15 656	2 132	2 478	270	3 281
Chile	14 065	848	1 115	133	346	60	298
Venezuela	1 429	120 <sup>a</sup>	405	207	297	156 <sup>a</sup>	763
<b>Africa</b>	<b>418 725</b>	<b>5 435</b>	<b>13 020</b>	<b>1 851</b>	<b>1 252</b>	<b>641</b>	<b>3 262</b>
Algeria	1 973	1 108 <sup>a</sup>	1 126	143	73	20 <sup>a</sup>	156
Morocco	1 861	470 <sup>a</sup>	574	117	58	4 <sup>a</sup>	170
Middle East - Africa	46 306	5 805 <sup>a</sup>	7 242	2 274	544	311	1 599
- Asia	39 290	1 834	2 100	352	10	109	459
<b>Europe</b>	<b>359 450</b>	<b>71 635</b>	<b>93 088</b>	<b>34 177</b>	<b>37 412</b>	<b>6 714</b>	<b>52 521</b>
Western Europe	270 868	56 204	71 303	26 678	32 811	6 194	46 763
Economic Community	95 057	36 688	47 806	19 967	14 193	4 769	36 122
Belgium-Luxembourg	5 535	1 050	1 658	949	640	223	1 582
Denmark	2 264	1 645 <sup>a</sup>	2 121	661	128	173	889
France	36 795	7 045	10 431	2 758	3 405	578	6 811
Germany, Fed. Rep.	26 538	11 139	13 333	7 765	4 868	1 426	10 786
Greece	2 884	519	670	423	152	81	467
Ireland	900	475 <sup>a</sup>	540	132	8	54 <sup>a</sup>	245
Italy	15 025	4 935	7 308	2 598	2 344	355	5 335
Netherlands	1 220	2 046	2 814	1 081	746	415	2 415
United Kingdom	3 895	7 835	8 931	3 601	1 903	1 465	7 593
Scandinavia	115 438	9 567	10 001	2 473	14 021	660	3 835
Finland	47 393	3 346	3 472	652	6 518	203	1 326
Norway	11 897	2 346	2 397	636	1 410	167	575
Sweden	56 147	3 874	4 132	1 185	6 093	290	1 934
Other Western Europe	45 175	7 587	9 734	3 088	3 656	746	5 716
USSR	338 530	77 042 <sup>a</sup>	89 090	12 040	9 137	1 174 <sup>a</sup>	9 538
Other Eastern Europe	103 779	17 794	25 547	8 649	5 542	539	6 848
<b>Asia</b>	<b>978 766</b>	<b>53 147</b>	<b>93 059</b>	<b>17 716</b>	<b>16 167</b>	<b>5 899</b>	<b>36 301</b>
China, People's Rep.	241 622	15 333	24 879	2 005	2 080	1 330	7 347
Hong Kong	829	12	348	231	3	110	753
India	242 088	1 487 <sup>a</sup>	10 992	217	816	545 <sup>a</sup>	2 232
Japan	73 892	26 980	33 191	9 603	11 220	2 783	19 422
Korea, Rep. of (South)	12 611	2 387 <sup>a</sup>	3 389	980	829	220	2 183
Southeast Asia	244 607	57	10 536	2 048	554	477	2 097
<b>Oceania</b>	<b>25 415</b>	<b>3 739</b>	<b>6 267</b>	<b>1 220</b>	<b>1 748</b>	<b>719</b>	<b>2 598</b>
Australia	11 704	1 948	4 249	941	1 053	568	2 096
New Zealand	7 659	1 672 <sup>a</sup>	1 734	252	695	147 <sup>a</sup>	479
<b>World</b>	<b>3 053 766</b>	<b>334 810</b>	<b>448 542</b>	<b>106 845</b>	<b>135 344</b>	<b>29 218</b>	<b>187 345</b>

<sup>a</sup>FAO estimate.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.



**IX - 10. APPARENT CONSUMPTION OF FOREST PRODUCTS BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties			Panel products	Wood pulp	Paper and paperboard	
	Roundwood	Softwood lumber	Total			Newsprint	Total
		1 000 m <sup>3</sup>					
A. Canada	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 t	1 000 t	1 000 t
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 630	14 220	3 945	12 661	959	4 655
1982	128 768	9 591	10 826	2 788	11 031	1 039	4 096
1983	155 292	13 970	15 295	3 891	12 551	1 011	4 437
1984	163 466	12 084	13 877	3 702	13 606	1 065	4 858
1985	171 284	14 518	16 217	4 084	13 675	1 043	5 158
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 655	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 298
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 773
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 314
1980	399 337	84 022	101 108	27 401	46 448	10 673	60 577
1981	404 209	75 957	91 886	28 385	47 564	10 837	61 307
1982	379 778	76 069	87 211	24 197	45 022	10 219	58 584
1983	420 764	97 751	106 697	30 317	48 091	10 697	63 094
1984	435 230	100 448	114 837	31 834	51 263	11 912	68 575
1985	429 643	102 556	116 876	33 520	49 629	12 324	67 854
C. World							
1961	2 067 194	262 913	344 211	26 335	61 607	14 477	77 466
1965	2 241 074	292 152	382 128	42 080	77 756	16 918	97 206
1970	2 473 640	311 627	413 503	69 839	101 646	21 408	125 898
1975	2 595 637	303 845	404 308	84 380	101 772	20 874	130 406
1980	2 945 169	330 769	447 867	100 583	125 197	25 656	168 263
1981	2 951 170	311 174	426 481	100 321	124 442	26 474	168 749
1982	2 943 501	309 316	420 020	95 129	119 189	25 604	166 365
1983	3 059 594	331 880	440 355	101 161	127 637	26 105	175 667
1984	3 133 861	340 288	458 330	105 690	134 993	28 185	189 348
1985	3 170 613	344 291	464 931	108 663	135 024	29 026	192 346

Source: Food and Agriculture Organization of the United Nations Special Compilation 1985.

**IX - 11. PRODUCTION OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties			Panel products	Wood pulp	Paper and paperboard	
	Roundwood	Softwood lumber	Total			Newsprint	Total
	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 t	1 000 t	1 000 t
<b>A. Canada</b>							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 067
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 715	39 671	4 711	19 275	8 946	13 835
1982	129 673	36 689	37 746	3 790	17 007	8 117	12 408
1983	156 965	47 161	48 069	4 842	19 221	8 486	13 353
1984	165 185	48 587	49 971	5 044	20 451	9 014	14 222
1985	171 305	52 519	53 867	5 604	20 479	8 991	14 448
<b>B. United States</b>							
1961	289 770	61 086	75 161	10 832	22 759	1 863	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 866
1970	327 945	64 971	81 854	23 026	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	418 453	66 500	84 024	26 224	46 187	4 238	56 839
1981	419 016	59 100	75 441	27 300	47 200	4 753	57 667
1982	396 896	58 700	70 177	23 000	44 786	4 574	54 899
1983	437 761	70 372	83 891	28 400	47 660	4 687	58 804
1984	452 215	73 508	88 375	29 611	50 398	5 029	62 366
1985	448 488	72 367	86 800	30 798	49 061	4 923	60 959
<b>C. World</b>							
1961	2 064 176	263 251	344 219	26 281	61 531	14 362	77 494
1965	2 235 834	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 474 431	312 099	414 553	69 560	101 936	21 492	126 482
1975	2 597 646	304 700	405 042	84 435	102 132	20 442	130 474
1980	2 941 956	333 479	450 431	101 249	125 777	25 385	169 701
1981	2 945 040	313 542	428 494	100 438	125 117	26 497	170 185
1982	2 941 053	311 100	421 675	95 076	119 500	24 948	166 392
1983	3 052 853	334 852	447 793	101 640	128 143	25 988	176 956
1984	3 127 130	342 897	461 357	105 738	135 174	27 896	190 039
1985	3 165 020	344 974	465 162	108 788	134 891	28 318	192 792

Source: Food and Agriculture Organization Special Compilation 1985.

**IX - 12. EXPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties			Panel products	Wood pulp	Paper and paperboard	
	Roundwood	Softwood lumber	Total			Newsprint	Total
	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 t	1 000 t	1 000 t
<b>A. Canada</b>							
1961	3 781	11 832	12 169	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 402	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 635	38 664	39 004	1 819	7 024	7 948	9 830
<b>B. United States</b>							
1961	2 662	1 450	1 797	43	1 068	165	946
1965	5 796	1 969	2 304	86	1 272	76	1 490
1970	16 391	2 720	3 035	304	2 808	130	2 421
1975	18 198	3 248	4 073	1 025	2 391	150	2 569
1980	22 362	4 647	5 834	968	3 392	159	4 120
1981	17 849	4 477	5 618	1 315	3 322	245	3 576
1982	19 759	3 818	4 694	917	3 060	279	3 288
1983	20 269	4 332	5 522	1 135	3 275	268	3 577
1984	19 937	3 748	5 016	1 048	3 215	278	3 488
1985	21 368	3 555	4 534	936	3 415	285	3 215
<b>C. World</b>							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 489
1970	96 398	49 348	57 424	9 728	16 921	10 641	23 387
1975	100 943	43 250	52 410	12 436	15 078	9 369	23 074
1980	117 721	66 021	79 707	16 323	21 188	12 321	35 034
1981	101 138	60 730	72 623	16 759	20 197	12 922	35 356
1982	100 132	61 525	73 234	15 419	18 533	11 508	33 617
1983	102 113	70 662	83 832	17 390	21 022	12 155	36 746
1984	104 439	72 840	86 198	17 961	21 484	13 146	39 809
1985	107 749	73 757	85 953	18 920	21 771	13 403	40 292

Source: Food and Agriculture Organization Special Compilation 1985.

**IX - 13. EXPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			Newsprint	Total	
U.S.\$000 000								
A. Canada								
1961	39	343	366	35	332	730	764	1 535
1965	50	456	490	70	459	809	866	1 935
1970	71	614	650	77	753	1 065	1 192	2 743
1975	58	933	961	94	1 789	1 714	1 980	4 881
1980	172	2 793	2 884	274	3 311	3 143	3 883	10 523
1981	162	2 471	2 553	255	3 186	3 608	4 272	10 428
1982	175	2 311	2 378	251	2 622	3 309	3 975	9 401
1983	222	3 169	3 238	301	2 481	3 250	3 998	10 240
1984	268	3 232	3 306	349	3 019	3 695	4 577	11 519
1985	207	3 316	3 381	355	2 484	3 958	4 794	11 221
B. United States								
1961	55	62	84	10	159	23	212	521
1965	127	94	120	23	190	11	317	777
1970	407	162	194	42	464	19	515	1 621
1975	871	342	413	222	897	52	1 101	3 504
1980	2 007	778	1 054	284	1 629	86	2 017	6 990
1981	1 585	653	926	349	1 656	140	2 013	6 528
1982	1 528	576	805	251	1 408	143	1 714	5 706
1983	1 372	596	898	311	1 351	127	1 719	5 651
1984	1 374	530	835	236	1 483	114	1 813	5 742
1985	1 451	493	754	228	1 343	131	1 559	5 335
C. World								
1961	669	1 344	1 608	407	1 205	1 001	2 088	5 977
1965	926	1 701	2 045	686	1 598	1 125	2 689	7 944
1970	1 898	2 180	2 688	1 146	2 498	1 493	4 336	12 567
1975	3 731	3 839	4 976	2 273	5 344	2 729	9 492	25 816
1980	8 781	9 093	12 351	5 160	9 543	5 293	20 046	55 882
1981	6 669	7 688	10 266	4 922	9 279	5 868	20 038	51 174
1982	6 303	7 014	9 441	4 318	7 773	5 282	18 700	46 535
1983	5 913	8 066	10 834	4 655	7 690	5 069	18 519	47 611
1984	5 408	7 991	10 623	4 470	9 047	5 590	20 657	50 205
1985	5 502	7 713	10 077	4 486	8 352	5 992	21 531	49 948

Source: Food and Agriculture Organization of the United Nations Special Compilation 1985.

**IX - 14. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			Newsprint	Total	
U.S.\$000 000								
A. Canada								
1961	14	15	31	14	8	-	42	108
1965	27	17	36	20	12	-	51	146
1970	30	21	39	36	8	-	48	161
1975	63	70	127	143	28	-	247	607
1980	82	92	251	76	64	-	224	697
1981	84	108	255	129	67	-	321	855
1982	80	58	157	54	68	-	273	632
1983	102	99	240	95	66	-	338	841
1984	128	84	246	99	94	-	438	1 005
1985	136	82	230	100	91	-	424	980
B. United States								
1961	39	274	315	108	303	687	718	1 483
1965	35	318	375	192	398	790	833	1 834
1970	46	424	487	265	480	930	1 022	2 300
1975	52	834	920	334	1 037	1 457	1 614	3 957
1980	94	1 767	1 915	586	1 673	2 638	3 314	7 582
1981	97	1 699	1 851	660	1 753	2 825	3 347	7 709
1982	91	1 569	1 671	504	1 485	3 749	4 338	8 089
1983	114	2 646	2 800	853	1 485	2 817	3 734	8 987
1984	96	2 557	2 723	766	1 845	3 370	5 067	10 496
1985	80	2 772	2 942	791	1 517	3 720	5 222	10 551
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	6 758
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	9 062
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	14 144
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	28 827
1980	12 468	10 181	13 970	5 237	9 777	5 758	20 846	62 298
1981	8 999	8 276	11 423	5 135	9 615	6 160	20 832	56 004
1982	8 517	8 136	11 110	4 580	8 459	6 932	21 589	54 255
1983	8 039	8 740	11 771	4 757	8 096	5 556	20 004	52 667
1984	7 994	8 464	11 504	4 674	9 336	6 065	22 265	55 779
1985	7 599	8 321	11 219	4 650	8 619	6 488	23 087	55 174

Source: Food and Agriculture Organization of the United Nations Special Compilation 1985.





# **SECTION X**

## **USER'S GUIDE**

- Definitions of terms
- Trade area groupings



## X. USER'S GUIDE

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### A. Definitions of Terms

**Age class:** Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

**Balance of trade:** The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

**Cansim (Canadian Socio-Economic Information Management System):** A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

**Clear-cut:** An area of forest land from which all merchantable trees have recently been harvested.

**Constant dollar:** Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

**Consumer price index:** Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

**Domestic exports:** Include both goods that are wholly produced in Canada and goods previously included in import statistics and which have been changed in form by further processing and then exported.

**Employment, census of manufactures:** Excludes working owners and partners of unincorporated businesses, which are separately tabulated. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials.)

**Employment, labor force survey:** Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labor dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

**Even-aged:** Of a forest, stand or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

**Establishment:** The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

**Exports:** Sum of domestic exports and re-exports.

**Forest biomass:** It is the mass of the above-ground portion of live trees; it is expressed as oven-dry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

**Forest land:** Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clear-cut lands; northern lands that are forested, but not intended for any use; and plantations.

**Fuel and electricity (cost of):** Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

**Gross merchantable volume of wood:** Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

**Growing stock:** The sum (by number, basal area, or volume) of trees in a forest or specified part of it.

**Hardwood(s):** Trees belonging to the botanical group Angiospermæ with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

**Immature:** In even-aged management, those trees or stands that have grown past the regeneration stage, but are not sufficiently developed to be harvestable (except for thinning operations).

**Implicit price index:** The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

**Imports:** Goods and services that are consumed in one country, Canada, for example, but produced in other countries. It includes all goods that are cleared by customs on arrival in Canada, together with goods that are held in customs warehouses. The following commodity movements are excluded from import statistics: settlers' effects; private donations and gifts; goods imported by foreign representatives in Canada or brought back by Canadians returning from postings abroad; and temporary imports for exhibition or competition, including films. Bunker supplies and ships' stores purchased by Canadian vessels or aircraft abroad, temporary imports, and goods merely in transit through Canadian territory are not reflected in any of the statistics.

**Indirect taxes:** Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditure.

**Inventory (forest):** A survey of a forest area to determine such data as area condition, timber, volume and species, for specific purposes such as planning, purchase, evaluation, management or harvesting.

**Lumber:** The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

**Materials and supplies (cost of):** Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

**Mature:** In even-aged management, those trees or stands that are sufficiently developed to be harvestable (Includes overmature trees and stands).

**Mechanical wood pulp:** The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

**Nonreserved (land):** Forest land that by law is available for the harvesting of forest crops.

**Overmature:** Trees or stands of trees past rotation age. Openings in canopy as a result of mortality are becoming apparent.

**Paper:** Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

**Paperboard:** A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

**Particleboard:** A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

**Plywood:** A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

**Production:** The use of raw materials to create producer and consumer goods through various refining, processing, and manufacturing activities.

**Productive (land):** Forest land that is capable of producing a merchantable stand within a reasonable length of time.



**Re-exports:** Include only goods previously included in import statistics and which are exported from Canada in the same form as when imported. Minor operations such as sorting or blending are not considered as changing the condition of imported goods.

**Reforestation:** The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease kill the timber. Reforestation is accomplished through a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees". (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.

**Regeneration:** The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

**Reserved (land):** Forest land that by law is not available for the harvesting of forest crops.

**Roundwood:** Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings and other products still "in the round".

**Salaries and wages:** These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severance pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

**Sash:** A frame structure, normally glazed (e.g., a window), that is hung or fixed in a frame set in an opening.

**Seedling:** A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

**Selling price index:** An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

**Semichemical pulp:** Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

**Shakes:** In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

**Shingles:** Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

**Silviculture:** The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

**Softwood(s):** Cone-bearing trees with needle - or scale - like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.



**Stocked forest land:** Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

**Subsidies:** Direct or indirect payments or other assistance to someone to produce goods or services - in order that the consumer may benefit from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

**Sulphate (kraft) pulp:** A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

**Sulphite pulp:** A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

**Uneven-aged:** Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

**Unproductive:** Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within the forest land area.

**Value added, manufacturing activity:** Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

**Valued added, total activity:** Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

**Value of shipments of goods of own manufacture:** Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

**Veneer:** A thin layer or sheet of wood.

**Waferboard:** A type of particle board composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

**Working owners and partners:** Include only those active in unincorporated businesses.

## **B. Trade area groupings**

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

**China, People's Republic:** China, Mongolia, and Taiwan.

**European Economic Community (EEC):** Belgium-Luxembourg, Denmark, France, Germany (Federal Republic), Greece, Ireland, Italy, Netherlands, and United Kingdom.

**Southeast Asia:** Indonesia, Malaysia, Philippines, Singapore, and Thailand.

**Middle East - African part:** Arab Republic of Egypt, Ethiopia, Libya, Somalia, and Sudan.

**Middle East - Asian part:** Bahrain, Cyprus, Emirates (United Arab), Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman (Muscat), Qatar, Kingdom of Saudi Arabia, Syria, Turkey, Yemen South, and Yemen North.

**Other Western Europe:** Austria, Gibraltar, Iceland, Malta, Portugal, Spain, Switzerland.

**Other Eastern Europe:** Albania, Bulgaria, Czechoslovakia, Germany (East), Hungary, Poland, Romania, and Yugoslavia.

**Note:** To facilitate the comparison with certain studies published by FAO, Mexico is assigned to Central America instead of North America.



















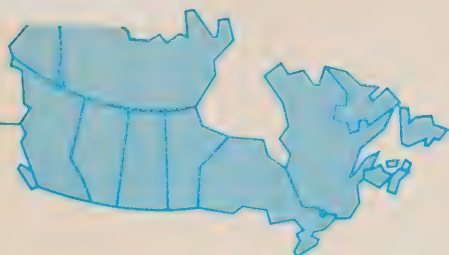


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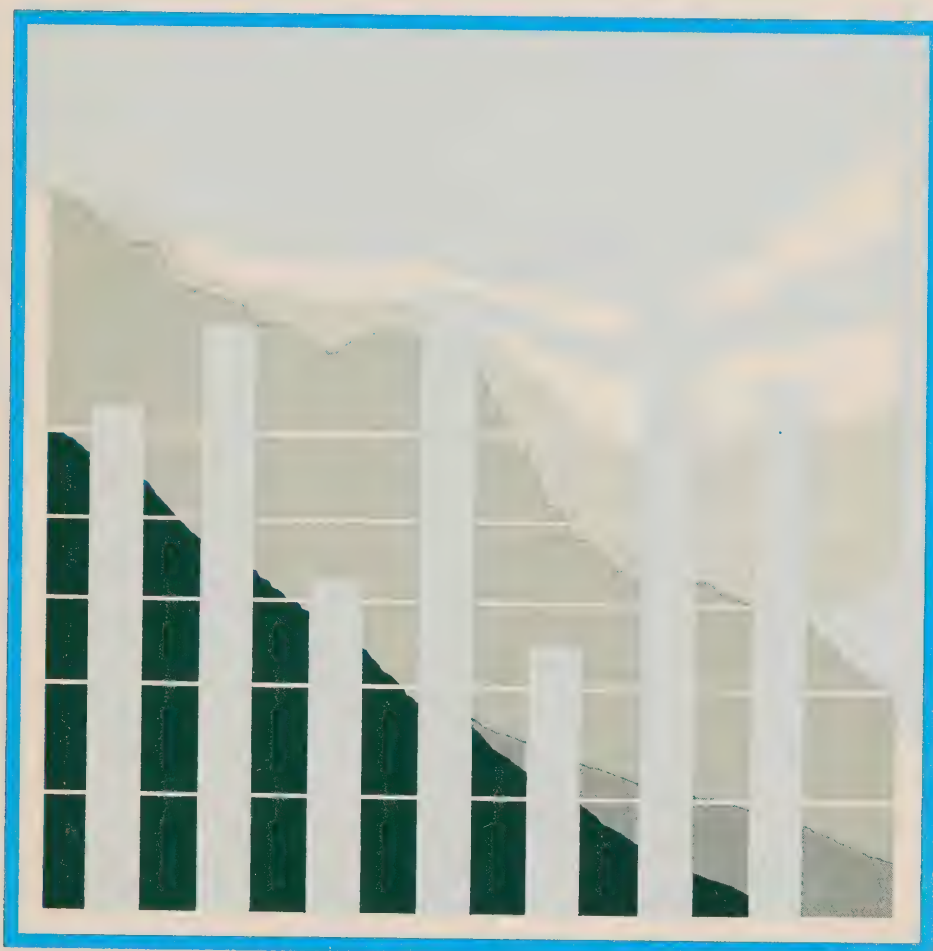
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# Selected Forestry Statistics Canada 1988

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Information Report E-X-41  
Economics Branch, Forestry Canada



## Forestry Canada

Forestry Canada is the main focus for forestry matters in the federal government. It provides national leadership through the development, coordination, and implementation of federal policies and programs to enhance long-term economic, social, and environmental benefits from the forest sector for Canadians.

Forestry Canada is a decentralized organization with six regional forestry centres, two national research institutes, and seven regional sub-offices located across Canada. Headquarters is located in the National Capital Region in Hull, Quebec.

In support of its mandate, Forestry Canada carries out the following activities:

- administers forest development agreements negotiated with the provinces
- undertakes and supports research, development, and technology transfer in forest management and utilization
- compiles, analyzes, and disseminates information about national and international forest resources and related matters
- monitors disease and insect pests in Canada's forests
- provides information, analyses, and policy advice on economics, industry, markets, and trade related to the forest sector
- promotes employment, education, and training opportunities in the forest sector
- promotes public awareness of all aspects of the forest sector.

Forestry Canada interacts regularly with provincial and territorial governments, industry, labor, universities, conservationists, and the public through such bodies as the Canadian Council of Forest Ministers, the Forest Sector Advisory Council, the Forestry Research Advisory Council of Canada, the Canadian Forest Inventory Committee, the Canadian Committee on Forest Fire Management, the Canadian Interagency Forest Fire Centre, and regional consultative committees. Forestry Canada is also active in international forestry agencies such as the International Union of Forest Research Organizations and the Food and Agriculture Organization, as well as in technical and trade missions.

## FORSTATS

Forestry Canada Forest Resource Data (FORSTATS) Program is responsible for the compilation and interpretation of national data on the forest resource and on changes to it resulting from both natural and human activities. Major components of the FORSTATS Program include statistics on forest inventory, forest depletions, forest growth, regeneration, forest management activities, forest management expenditures, and forest industrial activity, which includes a broad range of economic indicators.

The six regional centres and two national institutes participate with the Headquarters of Forestry Canada in the FORSTATS Program. Provincial forest management agencies, other federal and provincial agencies, and forest industries cooperate by providing data to the program.



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# SELECTED FORESTRY STATISTICS CANADA 1988

ECONOMICS AND STATISTICS DIRECTORATE  
FORESTRY CANADA  
GOVERNMENT OF CANADA

JUNE 1989

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Cat. No. Fo29-7/41E  
ISBN 0-662-17146-2  
ISSN 0834-938X

#### Want To Know More?

Selected Forestry Statistics Canada 1988 is published by the Economics and Statistics Directorate of Forestry Canada. The material presented is drawn from statistics covering mainly the period 1970-1988 and are the most current data available as of June 1989. However, statistics by their very nature change quickly.

If you need to know more about these statistics, contact the Forestry Canada Office nearest you.

These publications are also available:

Forestry Facts, an easy-to-read "pocket-size" compendium of interesting and useful facts about the forestry sector in Canada. It shows Canada's place in the global context and a comprehensive national overview of Canada's forestry sector. It is packed with capsule statistics organized by industry segment and by province or territory. A snapshot overview is also presented in the brochure entitled, Canada's Forests.

Copies of these publications may be obtained at no charge from the following address:

Corporate and Public Affairs Directorate  
Forestry Canada  
351 St. Joseph Boulevard  
Hull, Quebec  
K1A 1G5

A microfiche edition of this publication may be purchased from:

Micromedia Ltd.  
Place du Portage  
165 Hôtel-de-Ville  
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Cette publication est disponible en français sous le titre Recueil de statistiques forestières canadiennes 1988.

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## ABSTRACT

"Selected Forestry Statistics, Canada 1988" contains a series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data have been added to complete the picture.

Over 115 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from metric to imperial measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

Section I "Canadian forest resources and related management activities" and section VI "Selling price indexes and annual average prices" were modified to reflect the new data availability. A listing comparing table numbers used between 1985 and 1988 is available on page VI.

Information given at the beginning of the relevant sections highlights recent changes.

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## RÉSUMÉ

Le Recueil de statistiques forestières canadiennes, 1988 porte sur les ressources forestières au Canada et sur les activités connexes d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Plus de 115 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications différentes. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures métriques en mesures impériales et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter l'extraction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'Organisation des Nations Unies pour l'alimentation et l'agriculture.

La section I "Ressources forestières au Canada et activités connexes d'aménagement" et la section VI "Indices de prix de vente et prix annuels moyens" ont été modifiées afin d'incorporer des données nouvellement disponibles. Une liste comparant les numéros de tableaux utilisés entre 1985 et 1988 est disponible en page VI.

Les renseignements fournis au début des sections soulignent les changements survenus récemment.

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## CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from metric measure to imperial.

Description	Metric measure	Conversion factor (multiply by)	Imperial (English) measure
Bolts	m <sup>3</sup>	0.415 472	cord
Forest area	ha (0.01 km <sup>2</sup> )	2.470 966	acre
Flooring	m <sup>3</sup>	0.423 775	MBF (thousand board feet)
Logs	m <sup>3</sup>	0.220 750	MBF (thousand board feet)
Logs, pulpwood	m <sup>3</sup>	0.353 147	cunits (100 cubic feet)
Lumber	m <sup>3</sup>	0.423 775	MBF (thousand board feet)
Newsprint and paper and paperboard	t	1.102 310	short ton
Newsprint and paper and paperboard	t	22.045 855	CWT (hundredweights)
Particleboard	m <sup>3</sup>	680.272 108	sq ft 5/8 (square foot 5/8")
Plywood - softwoods	m <sup>3</sup>	1 130.071 194	sq ft 3/8 (square foot 3/8")
- hardwoods	m <sup>3</sup>	1 695.202 576	sq ft 1/4 (square foot 1/4")
Pulpwood - peeled	m <sup>3</sup>	0.371 733	cord
- unpeeled	m <sup>3</sup>	0.415 467	cord
- total	m <sup>3</sup>	0.415 467	cord
Railway ties	m <sup>3</sup>	26.315 789 x 0.423 775	number
Roundwood	m <sup>3</sup>	35.314 724	cubic feet
Shingles and shakes	m <sup>2</sup>	0.107 639	rfsq (roof squares)
Veneer - softwoods	m <sup>3</sup> to m <sup>2</sup> X 314.925	3 389.830 508	sq ft (square foot)
- hardwoods	m <sup>3</sup> to m <sup>2</sup> X 800.888	8 620.689 655	sq ft (square foot)
Wood chips	t	1.102 310	ton (short tons)
Wood pulp	t	22.045 855	CWTAD (hundredweights air dry)

## KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

...	figures not appropriate or not applicable
..	figures not available
-	nil or zero
---	amount too small to be expressed
p	preliminary figures
r	revised figures
x	confidential to meet secrecy requirements under the Statistics Act
e	estimated
n.e.c.	not elsewhere classified

## COMPARISON OF TABLE NUMBERS USED BETWEEN 1985 AND 1988

1988	1987/1986	1985	1988	1987/1986	1985	1988	1987/1986	1985
I-1	I-1	I-1	III-6	III-6	-	IV-26	IV-26	IV-24
I-2	I-2	I-2	III-7	III-7	-	IV-27	IV-27	IV-25
I-3	I-3	I-3	III-8	III-8	III-8	IV-28	IV-28	IV-26
I-4	-	-	III-9	III-9	III-9	IV-29	IV-29	IV-27
I-5	I-4	I-9	III-10	III-10	III-14	IV-30	IV-30	IV-28
I-6	I-5	I-6	III-11	III-11	III-15			
I-7	-	-	III-12	III-12	-	V-1	V-1	V-1
I-8	-	-	III-13	III-13	-	V-2	V-2	-
I-9	I-6	I-7	III-14	III-14	III-10	V-3	V-3	V-2
I-10	I-7	I-8	III-15	III-15	III-11	V-4	V-4	V-3
I-11	I-8	I-10	III-16	III-16	III-12			
I-12	I-9	I-11	III-17	III-17	III-13	VI-1	VI-1	VI-1
I-13	I-10	-	III-18	III-18	III-16	-	VI-2	VI-2, VI-3
I-14	I-11	-	III-19	III-19	III-17	VI-2	-	-
I-15	I-12	I-4, I-5	III-20	III-20	III-3	VI-3	-	-
			III-21	III-21	III-4	VI-4	-	-
						VI-5	VI-3	-
II-1	II-1	II-1						
II-2	II-2	II-2	IV-1	IV-1	IV-1			
II-3	II-3	II-11	IV-2	IV-2	IV-2	VII-1	VII-1	VII-1
II-4	II-4	-	IV-3	IV-3	IV-3	VII-2	VII-2	VII-3
II-5	II-5	-	IV-4	IV-4	IV-4	VII-3	VII-3	VII-2
II-6	II-6	II-4	IV-5	IV-5	IV-5	VII-4	VII-4	VII-4
II-7	II-7	II-3	IV-6	IV-6	IV-6	VII-5	VII-5	VII-5
II-8	II-8	II-13	IV-7	IV-7	IV-7	VII-6	VII-6	VII-6
II-9	II-9	II-12	IV-8	IV-8	IV-8	VII-7	VII-7	VII-7
II-10	II-10	-	IV-9	IV-9	II-9	VII-8	VII-8 in 1987	VII-7
II-11	II-11	-	IV-10	IV-10	II-10	-	VII-8 in 1986	VII-8
II-12	II-12	II-5	IV-11	IV-11	IV-9	VII-9	VII-9 in 1987	VII-8
II-13	II-13	II-6	IV-12	IV-12	IV-10			
II-14	II-14	II-14	IV-13	IV-13	IV-11	VIII-1	VIII-1	VIII-1
II-15	II-15	-	IV-14	IV-14	IV-12	VIII-2	VIII-2	VIII-2
II-16	II-16	II-8	IV-15	IV-15	IV-13	VIII-3	VIII-3	VIII-3
II-17	II-17	II-7	IV-16	IV-16	IV-14			
II-18	II-18	II-14	IV-17	IV-17	IV-15	IX-1	IX-1	IX-1
II-19	II-19	-	IV-18	IV-18	IV-16	IX-2 (A,B)	IX-2 (A,B)	IX-2, IX-3
II-20	II-20	-	IV-19	IV-19	IV-17	IX-3 (A,B)	IX-3 (A,B)	IX-4
II-21	II-21	II-15	IV-20	IV-20	IV-18	IX-4 (A,B)	IX-4 (A,B)	IX-5
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II-23	II-23	-	IV-22	IV-22	IV-20	IX-6 (A,B)	IX-6 (A,B)	IX-7
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## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988

<b>1. Land area, 1986</b>	<b>921.5 million ha</b>			
Forest land	453.3			
Inventoried forest land	397.9			
Inventoried productive forest land	243.7			
Inventoried stocked productive nonreserved forest land	208.2			
Agricultural land	67.8			
	<u>Inventoried</u>	<u>Inventoried productive</u>	<u>Inventoried stocked productive nonreserved</u>	
<b>2. Ownership of forest land, 1986</b>	<b>397.9</b>	<b>243.7</b>	<b>208.2 million ha</b>	
Provincial Crown	70%	80%	81%	
Federal Crown	24%	11%	10%	
Others	6%	9%	9%	
<b>3. Volume of wood</b>	<b>..</b>	<b>23 921</b>	<b>23 154 million m<sup>3</sup></b>	
	<u>1984</u>	<u>1985</u>	<u>1986e</u>	<u>1987e</u>
<b>4. Silviculture</b>				
Area harvested	898 069	901 552	930 000	950 000 ha
Area of site preparation	253 099	300 974	410 000	490 000
Area planted	239 953	261 020	333 420	412 990
Area directly seeded	33 743	26 189	26 000	37 000
Area of stand tending	189 065	216 592	270 000	295 000
Area of pest control	1 516 909	1 452 735	..	..
	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
<b>5. Fire</b>				
No. of fires	9 357	7 087	11 304	10 734
Area burned - total forest land	757 260	950 123	1 085 629	1 320 273 ha
- productive forest land	132 805	311 270	306 580	.. ha
Fire control - budgeted costs	\$153 783	\$108 811	\$115 630	.. thousand
- fighting costs	\$136 140	\$102 308	\$155 321	.. thousand
<b>6. Forest insect and disease conditions, 1977-1981</b>	<b>107.4 million m<sup>3</sup></b>			
Average annual mortality volume	60.1			
Growth reduction	22.3			
Wood destruction	25.0			
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>
<b>7. Forest management expenditures</b>	<b>..</b>	<b>\$1 247.8</b>	<b>..</b>	<b>\$1 677.9 million</b>
Provincial	820.0	783.9	882.9	1 063.0
Federal	150.8	183.6	182.3	209.0
Industry	..	280.3	..	405.9
Silviculture	..	\$ 335.9	..	\$ 476.6 million
Forest protection	..	241.6	..	359.1
Resource access	..	229.6	..	346.4
Research	..	77.2	..	89.4
Other	..	363.5	..	406.1

## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (cont'd)

8. Federal-provincial agreements,  
1987-1988

\$247 857 thousand

Provincial	117 697
Federal	130 160

Site preparation and regeneration	125 193
Other silviculture treatments	66 878
Forest protection	1 022
Research and forest extension	38 432
Other activities	16 333

	<u>1984</u>	<u>1985</u>	<u>1986</u>	
9. Roundwood production	167.5	168.7	177.1	million m <sup>3</sup>
Atlantic provinces	9%	8%	9%	
Quebec	22%	21%	21%	
Ontario	17%	17%	17%	
Prairie provinces	8%	8%	9%	
British Columbia	44%	46%	44%	
Species mix				
Softwoods	92%	92%	91%	
Hardwoods	8%	8%	9%	

	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
10. Lumber production	52.1	53.1	62.0	60.6 million m <sup>3</sup>
Atlantic provinces	3%	4%	4%	4.0%
Quebec	19%	21%	20%	19.0%
Ontario	10%	10%	9%	9.0%
Prairie provinces	6%	7%	7%	7.0%
British Columbia	62%	58%	60%	61.0%
Species mix				
Softwoods	98%	98%	98%	98%
Hardwoods	2%	2%	2%	2%

	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
11. Wood pulp production	20.4	20.7	23.0	23.4 million t
Quebec	31%	32%	31%	32%
Ontario	20%	20%	19%	19%
British Columbia	30%	29%	31%	30%
All other provinces	19%	19%	19%	19%

	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
12. Basic paper and paperboard production	14.4	15.2	16.1	16.6 million t
Quebec	43%	43%	42%	43%
Ontario	26%	26%	26%	25%
British Columbia	17%	17%	17%	17%
All other provinces	14%	14%	15%	15%

## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (cont'd)

	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
<b>13. Shipments</b>				
Roundwood	100.5	103.1	..	.. million m <sup>3</sup>
Lumber - total	52.5	52.7	..	.. million m <sup>3</sup>
- softwoods	51.4	51.5	..	.. million m <sup>3</sup>
Wood pulp	8.7	9.5	10.0	9.9 million t
Paper and paperboard - total	14.4	15.3	16.1	16.5 million t
- newsprint	9.0	9.3	9.8	9.9 million t
	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<b>14. Exports of forest products</b>	<b>\$ 15 734</b>	<b>\$ 16 242</b>	<b>\$ 17 938</b>	<b>\$ 21 241 million</b>
Lumber - total	4 257	4 595	4 980	5 859
- softwoods	4 182	4 523	4 893	5 745
Wood pulp	3 906	3 405	4 072	5 473
Paper and paperboard - total	6 201	6 884	7 455	8 266
- newsprint	4 784	5 412	5 661	6 029
Other forest products	1 370	1 359	1 431	1 643
	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<b>15. Exports of forest products by region of lading/origin</b>	<b>\$ 15 734</b>	<b>\$ 16 242</b>	<b>\$ 17 938</b>	<b>\$ 21 241 million</b>
Atlantic provinces	11%	10%	11%	11%
Quebec	25%	26%	26%	23%
Ontario	21%	21%	20%	18%
Prairie provinces	4%	4%	4%	4%
British Columbia	39%	39%	39%	44%
	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<b>16. Balance of trade, net flow</b>	<b>+\$16 924</b>	<b>+\$15 120</b>	<b>+\$ 8 158</b>	<b>+\$ 8 848 million</b>
Forest products	+13 828	+14 271	+15 619	+18 671
Farm products	+ 3 894	+ 2 476	+ 1 449	+ 1 849
Fish products	+ 1 108	+ 1 355	+ 1 821	+ 2 079
Energy	+10 383	+12 084	+ 7 568	+ 8 333
Metals and minerals	+ 8 245	+ 7 006	+ 7 606	+ 7 475
Chemicals and fertilizers - minerals	+ 1 163	+ 1 282	+ 1 062	+ 1 276
Chemicals and fertilizers - non minerals	- 1 940	- 1 763	- 1 989	- 1 897
Textiles	- 1 432	- 1 570	- 1 709	- 1 805
Machinery	- 3 672	- 4 727	- 5 669	- 6 048
Transportation and automotive products	+ 2 506	+ 958	+ 917	- 1 061
Other products	-17 159	-15 023	-17 117	-18 400
	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>
<b>17. Employment in forest industries</b>	<b>262</b>	<b>267</b>	<b>268</b>	<b>274 thousand</b>
Logging	46	48	46	46
Wood industries	102	103	108	111
Paper and allied industries	114	116	114	117

## SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (concluded)

	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>
<b>18. Value of shipments of goods</b>	<b>\$ 29 326</b>	<b>\$ 32 809</b>	<b>\$ 34 659</b>	<b>\$ 38 276 million</b>
Logging	4 909	5 364	5 462	5 776
Wood industries	9 406	9 973	11 122	12 433
Paper and allied industries	15 011	17 472	18 075	20 067
	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>
<b>19. Value added, total activity</b>	<b>\$ 12 085</b>	<b>\$ 13 734</b>	<b>\$ 14 399</b>	<b>\$ 16 737 million</b>
Logging	2 152	2 191	2 187	2 297
Wood industries	3 993	4 051	4 688	5 523
Paper and allied industries	5 940	7 492	7 524	8 917
	<u>1985</u>	<u>1986</u>	<u>1987p</u>	
<b>20. Corporate income taxes paid by the forest industries</b>	<b>\$ 300</b>	<b>\$ 398</b>	<b>\$ 666 million</b>	
Federal income taxes	175	221	404	
Provincial income taxes	126	177	262	
	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
<b>21. Capital and repair expenditures</b>	<b>\$ 4 658</b>	<b>\$ 5 952</b>	<b>\$ 7 501</b>	<b>\$ 9 397 million</b>
Logging industry	528	563	609	648
Wood industries	861	1 240	1 568	1 393
Paper and allied industries	3 269	4 149	5 324	7 356
All Canadian industries	125 011	140 185	155 590	170 967
	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
<b>22. Forest industries contribution to Canadian gross domestic products</b>	<b>3.5%</b>	<b>3.5%</b>	<b>3.7%</b>	<b>3.6%</b>
Canadian gross domestic product at factor cost	\$430 936	\$452 526	\$491 651	\$535 237 million
	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
<b>23. Revenue freight loaded on railways - total products</b>	<b>238</b>	<b>237</b>	<b>249</b>	<b>258 million t</b>
Forest products share	15%	15%	15%	14%
	<u>Percent</u>	<u>Rank</u>	<u>Volume/value</u>	
<b>24. Canada's share in world forest economy, 1987</b>				
Softwood growing stock	16%	2nd	17 834 million m <sup>3</sup>	
Industrial softwood roundwood production	15%	3rd	174 783 thousand m <sup>3</sup>	
Softwood lumber production	16%	3rd	61 011 thousand m <sup>3</sup>	
Wood pulp production	16%	2nd	22 645 thousand t	
Newsprint production	32%	1st	9 673 thousand t	
Value of exports of forest products	21%	1st	15 095 million US \$	





# SECTION I

## CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

**Forest Biomass Inventory:** The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

**Forest Fire:** The Forest Fire Statistics are reported by the provincial and federal forest fire management agencies. Forestry Canada compiles annual statistics that primarily report the number of fires, their causes and the area of forest land that was burned.

**Forest Insects and Diseases:** The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of six regional FIDS units and the FIDS Technology Development Project. Activities are managed by the regional Forestry Canada establishments. The program provides perspectives on insects and diseases, as well as acid rain, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

**Forest Inventory:** Through the Canadian Forest Inventory Committee, Forestry Canada works in close cooperation with forest management agencies, to make recommendations on forest inventory procedures, and to acquire data for national area and volume summaries on topics such as ownership, status, productivity, site quality, stocking, disturbance, age, forest types and species group.

**Forest Management Expenditures:** The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and Forestry Canada. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Resource access are also included.

**Forest Tree Production:** The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

**Silviculture:** The practice of silviculture in Canada is a provincial responsibility for the majority of publicly owned forest lands in Canada. The federal role, coordinated by Forestry Canada, is supportive through silviculture research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements. Data for national summaries are collected using a questionnaire completed by provincial forestry personnel.

I - 1. AREA CLASSIFICATION BY CLASS AND PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
1 000 000 ha															
A. Forest land															
Inventoried	22.48 <sup>a</sup>	0.29	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.58	60.31	27.37	61.44	397.92
Productive	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
Reserved	0.07	-	0.10	0.03	0.20	0.35	1.47	0.73	1.07	2.45	4.25	2.02	0.07	0.58	8.93
Nonreserved	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
Stocked	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15
Fully	1.98	0.22	0.01	2.38	4.58	..	26.07	11.34	8.63	17.83	37.81	45.05	2.22	4.26	119.99
Partially	0.36	0.02	--	0.12	0.51	..	6.60	1.28	2.24	1.14	4.66	-	3.05	8.74	23.55
Unquantified	5.29	--	3.24	3.18	11.72	49.57	0.01	-	2.44	0.12	2.57	--	0.03	0.72	64.61
Nonstocked	0.71	0.01	0.16	0.02	0.89	2.53	4.01	1.54	1.48	0.73	3.75	3.95	0.96	0.02	16.09
Unproven stocking	2.76	0.02	0.34	0.37	3.49	2.30	0.08	0.03	0.03	1.65	1.71	0.09	1.23	--	8.90
Unclassified	--	-	--	--	--	0.05	0.05	-	-	1.53	1.53	-	-	-	1.63
Unproductive	11.30	0.02	0.19	0.24	11.75	27.70	8.32	10.20	7.80	11.82	29.82	9.19	19.63	44.35	150.76
Unspecified	-	-	-	-	-	-	-	-	0.02	0.49	0.51	0.02	0.17	2.77	3.47
productivity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.40
Not inventoried	-	-	-	-	-	11.50	34.10	9.80	-	-	9.80	-	-	-	-
Total	22.48	0.29	4.04	6.34	33.15	94.00	80.70	34.92	23.71	37.75	96.38	60.31	27.37	61.50	453.32
B. Other lands, water and total area															
Nonforest land	14.69	0.28	1.24	0.87	17.08	41.68	8.42	19.92	33.36	26.69	79.97	32.66	20.53	267.86	468.22
Agricultural	0.04	0.27	0.42	0.41	1.14	3.64	5.65	7.74	26.60	20.66	55.00	2.41	-	-	67.83
Other	14.65	0.01	0.82	0.46	15.94	38.04	2.77	12.18	6.76	6.03	24.97	30.25	20.53	267.86	400.39
Total land	37.17	0.57	5.28	7.21	54.23	135.68	89.12	54.84	57.07	64.44	176.35	92.97	47.90	329.36	921.54
Water	3.40	-	0.27	0.14	3.81	18.39	17.74	10.16	8.16	1.68	20.00	1.81	0.45	13.33	75.52
Total area	40.57	0.57	5.55	7.34	54.03	154.07	106.86	65.00	65.23	66.12	196.35	94.78	48.35	342.63	997.06
C. Biomass on nonreserved forest land (1 000 000 t)															
Productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	20 700
Unproductive	424	1	10	10	445	621	1 123	364	432	230	1 026	708	11	672	4 606
Total	770	30	325	542	1 667	4 281	4 209	1 111	1 070	2 146	4 327	9 506	199	1 114	25 306

<sup>a</sup> 1 hectare = 10 000 m<sup>2</sup> and 1 km<sup>2</sup> = 100 hectares.

Source: Canada's Forest Inventory 1986, Inventory of Forest Biomass in Canada 1985, Forestry Canada. Census of Agriculture 1986, Statistics Canada.

# AREA CLASSIFICATION Millions of hectares

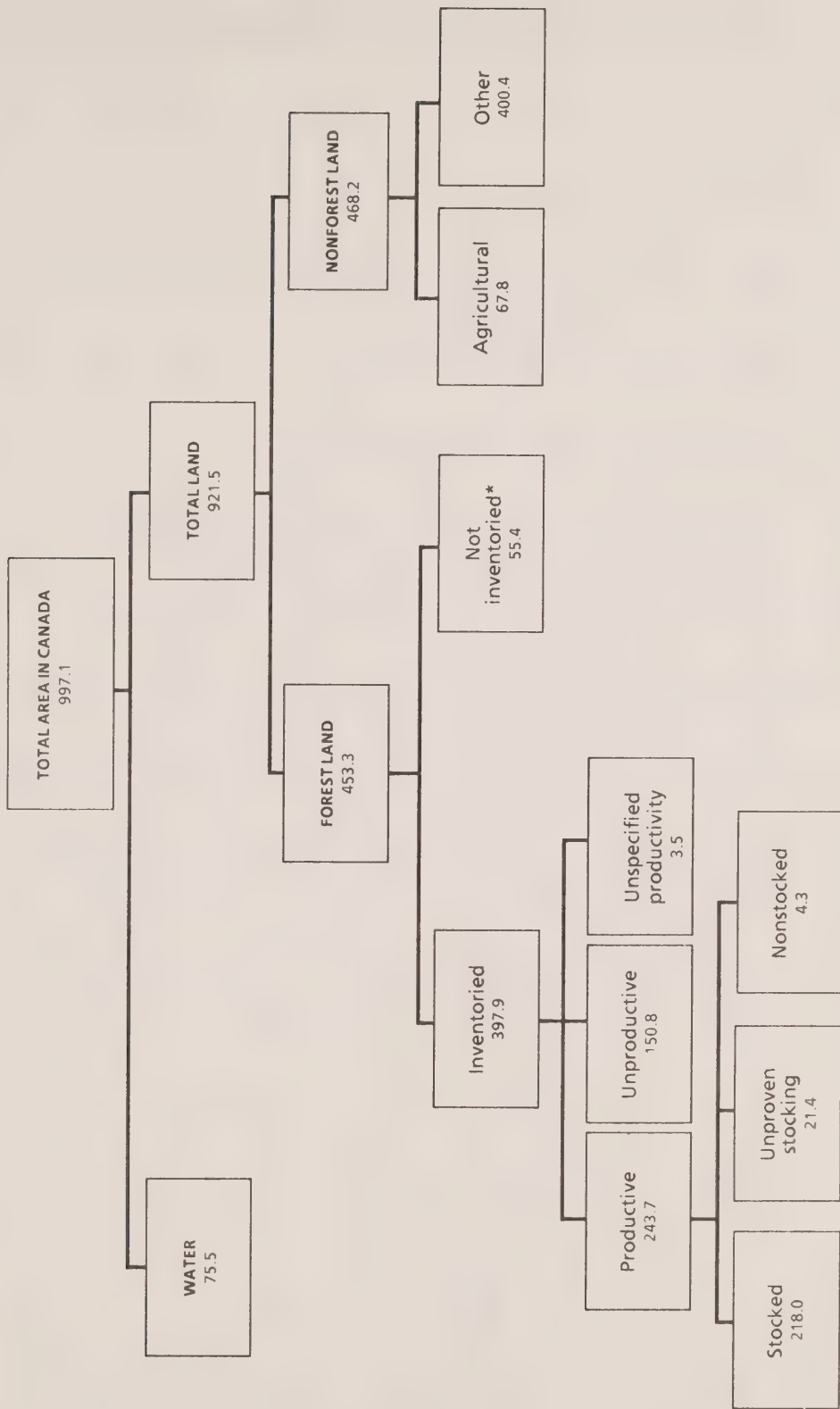


Figure 1. Area classification in Canada, 1986.

Source: Canada's Forest Inventory 1986. Canadian Forestry Service and estimates (\*).

I - 2. INVENTORIED FOREST LAND BY OWNERSHIP, CLASS, AND PROVINCE, 1986

Area class	Atlantic provinces															Canada
	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.			
1 000 000 ha																
A. Inventoried forest land																
Federal	0.10	--	0.11	0.16	0.37	0.23	0.32	0.39	0.50	3.53	4.42	0.57	27.37	61.44	94.72	
Provincial	21.79	0.02	1.09	3.09	25.99	75.33	39.72	23.45	22.78	32.99	79.22	57.70	--	--	277.92	
Private-industrial	0.50	--	0.90	0.59	1.99	0.43	0.89	--	--	--	--	--	--	--	3.31	
Private-nonindustrial	0.08	0.27	1.93	1.00	3.29	3.80	5.63	1.17	0.24	--	1.40	2.02	--	--	16.14	
Private-unspecified	0.01	--	--	1.50	1.51	2.70	--	--	0.19	1.12	1.30	0.02	--	--	5.53	
Municipal	--	--	--	--	--	--	--	0.12	--	0.01	0.13	--	--	--	0.13	
Unclassified	--	--	--	--	--	--	0.05	--	--	0.10	0.10	--	--	--	0.15	
Total	22.48	0.30	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.57	60.31	27.37	61.44	397.92	
B. Inventoried productive forest land																
Federal	0.06	--	0.11	0.15	0.33	0.22	0.25	0.34	0.46	1.75	2.55	0.47	7.56	14.32	25.71	
Provincial	10.71	0.02	1.02	2.96	14.71	47.97	32.34	13.49	15.03	22.66	51.18	48.65	--	--	194.85	
Private-industrial	0.35	--	0.84	0.57	1.76	0.42	0.79	--	--	--	--	--	--	--	2.97	
Private-nonindustrial	0.05	0.26	1.87	0.97	3.15	3.64	4.87	0.99	0.20	0.93	1.19	1.96	--	--	14.80	
Private-unspecified	--	--	--	1.44	1.45	2.55	--	--	0.19	0.02	1.12	0.02	--	--	5.14	
Municipal	--	--	--	--	--	--	--	0.10	--	0.01	0.11	--	--	--	0.11	
Unclassified	--	--	--	--	--	--	0.05	--	--	0.09	0.09	--	--	--	0.14	
Total	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70	
C. Inventoried productive nonreserved forest land																
Federal	--	--	0.02	0.12	0.15	0.08	0.25	0.10	0.14	0.03	0.27	0.27	--	1.80	2.81	
Provincial	10.70	0.02	1.00	2.96	14.70	47.70	30.87	13.01	14.29	20.49	47.79	46.84	7.49	11.94	207.33	
Private-industrial	0.35	--	0.84	0.57	1.76	0.42	0.79	--	--	--	--	--	--	--	2.97	
Private-nonindustrial	0.05	0.26	1.87	0.97	3.14	3.64	4.87	0.99	0.20	--	1.19	1.96	--	--	14.80	
Private-unspecified	0.01	--	--	1.44	1.45	2.55	--	--	0.19	0.93	1.12	0.02	--	--	5.14	
Municipal	--	--	--	--	--	--	--	0.10	--	0.01	0.11	--	--	--	0.11	
Total	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15	
D. Inventoried, stocked, productive, nonreserved forest land																
Federal	--	--	0.02	0.11	0.13	0.08	0.24	0.09	0.13	0.03	0.25	0.24	5.30	13.72	19.97	
Provincial	7.26	0.02	0.81	2.80	10.90	43.61	27.76	11.47	12.79	18.11	42.38	43.06	--	--	167.72	
Private-industrial	0.32	--	0.79	0.52	1.62	0.40	0.64	--	--	--	--	--	--	--	2.66	
Private-nonindustrial	0.05	0.23	1.63	0.89	2.80	3.20	4.05	0.97	0.20	--	1.17	1.72	--	--	12.94	
Private-unspecified	--	--	--	1.36	1.36	2.28	--	--	0.19	0.93	1.12	0.02	--	--	4.78	
Municipal	--	--	--	--	--	--	--	0.09	--	0.01	0.10	--	--	--	0.10	
Total	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15	

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 3. GROSS MERCHANTABLE WOOD ON INVENTORIED, STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces		Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
A. Maturity class (1 000 000 ha)																
Regeneration	-	-	0.09	0.16	0.26	5.10	1.18	1.21	1.07	0.30	2.58	1.69	0.01	0.72	11.52	
Immature	0.61	-	2.15	2.66	5.42	9.20	12.33	8.96	5.37	8.93	23.26	15.00	3.96	8.59	77.76	
Mature	1.15	-	0.77	2.67	4.59	22.67	11.56	2.17	1.36	6.98	10.51	28.28	1.33	4.39	83.33	
Overmature	0.99	-	0.02	0.19	1.19	-	7.61	0.29	1.08	2.88	4.25	0.08	-	0.02	13.14	
Uneven-aged	-	-	0.21	0.01	0.22	0.15	0.01	-	-	-	-	-	-	-	0.37	
Unclassified	4.89	0.25	-	-	5.14	12.45	0.01	-	4.44	-	4.44	-	-	-	22.04	
Total	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15	
B. Maturity class (1 000 000 m <sup>3</sup> )																
Regeneration	-	-	1	-	1	119	1	-	9	1	10	9	-	-	140	
Immature	-	-	147	210	357	734	930	390	443	716	1 549	1 604	308	144	5 625	
Mature	123	-	79	344	546	2 167	1 465	246	165	1 330	1 742	7 226	172	301	13 619	
Overmature	122	-	3	17	142	-	1 132	43	163	608	814	28	-	1	2 117	
Uneven-aged	-	-	15	1	15	18	1	-	-	-	-	-	-	-	34	
Unclassified	280	26	-	-	306	1 187	-	-	125	-	125	-	-	-	1 618	
Total	525	26	244	571	1 366	4 225	3 529	680	905	2 656	4 240	8 867	480	446	23 154	
C. Species group (1 000 000 m <sup>3</sup> )																
Softwoods	487	16	150	362	1 015	3 020	2 205	444	536	1 684	2 664	8 180	436	315	17 834	
Spruce	107	10	85	168	370	1 774	1 35	264	205	920	1 389	1 958	320	-	7 146	
Pine	-	-	12	23	36	246	578	158	130	695	984	2 162	82	-	4 087	
Fir	117	5	43	120	285	884	188	10	13	47	70	1 400	-	-	2 827	
Hemlock	-	-	8	7	15	28	17	-	-	-	-	1 217	-	-	1 278	
Cedar and other conifers	-	1	-	39	40	85	72	1	-	-	1	688	-	-	885	
Douglas-fir	-	-	-	-	-	-	-	-	-	2	2	694	-	-	696	
Larch	3	1	2	4	10	4	15	10	4	3	17	60	-	-	105	
Unspecified	260	-	-	-	260	-	-	-	184	16	200	-	34	315	808	
Hardwoods	38	10	94	209	351	1 204	1 325	236	370	972	1 578	688	44	131	5 320	
Aspen/poplar	3	2	7	42	53	295	685	201	289	822	1 311	599	36	-	2 979	
Birch	26	2	23	57	108	529	361	20	22	33	75	50	3	-	1 126	
Maple	-	5	54	87	147	297	200	-	1	-	1	7	-	-	652	
Unspecified	10	1	10	24	44	84	79	15	58	117	191	32	6	131	566	
Total	525	26	244	571	1 366	4 225	3 529	680	905	2 656	4 241	8 867	480	446	23 154	

Source: Canada's Forest Inventory 1986. Forestry Canada.



I - 4. GROSS MERCHANTABLE WOOD ON INVENTORIED, MATURE AND OVERMATURE, STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1986

6

	Mfld.	P.E.I. <sup>a</sup>	N.S.	Atlantic				Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada <sup>b</sup>
				N.B.	provinces	Que.								
<b>A. Species group on mature/overmature (1 000 000 ha)</b>	<b>2.13</b>	--	<b>0.79</b>	<b>2.86</b>	<b>5.78</b>	<b>22.67</b>		<b>19.16</b>	<b>2.45</b>	<b>2.44</b>	<b>9.86</b>	<b>14.75</b>	<b>28.37</b>	<b>96.49</b>
Softwoods	2.00	--	0.33	1.43	3.76	--		12.10	1.40	1.49	5.92	8.87	26.41	51.11
Spruce	0.93	--	--	0.45	1.38	--		8.39	0.76	0.82	3.65	5.23	6.26	21.25
Pine	--	--	--	0.03	0.03	--		2.36	0.65	0.66	2.22	3.53	8.87	14.78
Fir	1.07	--	--	0.19	1.26	--		0.91	0.03	--	0.02	0.05	4.45	6.67
Hemlock	--	--	--	--	--	--		0.07	--	--	--	--	3.14	3.21
Douglas-fir	--	--	--	--	--	--		--	--	--	0.01	0.01	1.54	1.55
Larch	--	--	--	0.01	0.01	--		0.05	0.01	0.01	0.02	0.04	0.08	0.17
Unspecified	--	--	0.33	0.75	1.08	--		0.33	--	--	--	--	2.07	3.48
Hardwoods	0.13	--	0.20	0.72	1.05	--		7.06	1.01	0.95	3.94	5.90	1.95	15.96
Poplar	--	--	--	--	--	--		3.47	0.76	0.93	1.05	2.74	1.84	8.05
Birch	0.13	--	--	--	0.13	--		2.18	0.01	0.02	0.01	0.04	0.09	2.43
Maple	--	--	--	--	--	--		1.10	0.02	--	--	0.02	--	1.12
Unspecified	--	--	0.20	0.72	0.92	--		0.31	0.23	--	2.89	3.12	0.01	4.36
Unclassified	--	--	0.27	0.71	0.98	22.67		--	--	--	--	--	--	29.39
<b>B. Species group on mature/overmature (1 000 000 m<sup>3</sup>)</b>	<b>245.23</b>	--	<b>81.76</b>	<b>360.67</b>	<b>687.66</b>	<b>2 166.50</b>		<b>2 597.54</b>	<b>289.59</b>	<b>328.59</b>	<b>1 937.91</b>	<b>2 556.09</b>	<b>7 254.28</b>	<b>15 736.45</b>
Softwoods	230.20	--	37.64	202.09	469.93	--		1 555.04	164.52	180.75	1 217.21	1 562.48	6 819.33	10 406.76
Spruce	99.41	--	--	65.12	164.53	--		1 042.12	87.98	98.86	666.13	850.97	1 560.59	3 418.22
Pine	0.01	--	--	5.01	5.02	--		377.57	72.23	80.76	546.11	699.10	1 858.04	2 939.73
Fir	130.69	--	--	33.16	163.85	--		89.96	3.62	0.53	3.91	8.06	1 038.76	1 300.63
Hemlock	--	--	--	0.41	0.41	--		9.68	--	--	--	--	1 304.18	1 314.26
Douglas-fir	--	--	--	--	--	--		--	--	--	1.69	1.69	390.39	392.07
Larch	0.09	--	--	1.03	1.12	--		4.50	0.60	0.60	1.37	2.57	18.19	26.37
Unspecified	--	--	37.64	97.36	135.00	--		31.21	0.09	--	--	0.09	649.18	815.48
Hardwoods	15.03	--	17.95	87.53	120.51	--		1 042.42	125.06	147.84	720.48	993.38	434.88	2 591.20
Aspen/poplar	0.37	--	--	--	0.37	--		673.41	95.86	145.76	183.29	424.91	415.09	1 513.79
Birch	14.66	--	--	--	14.66	--		188.05	0.58	2.06	0.77	3.41	14.33	220.45
Maple	--	--	--	--	--	--		148.54	2.03	0.02	--	2.05	1.73	152.32
Unspecified	--	--	17.95	87.53	105.48	--		32.42	26.59	--	536.42	563.01	3.73	704.64
Unclassified	--	--	26.16	71.07	97.23	2 166.50		0.09	--	0.02	0.23	0.25	0.07	2 738.48

<sup>a</sup>No data.

<sup>b</sup>Includes unclassified species in Yukon (1.33 million ha, 172.39 million m<sup>3</sup>) and Northwest Territories (4.01 million ha and 301.96 million m<sup>3</sup>).

Source: Canada's Forest Inventory 1986. Forestry Canada.



I - 5. STATISTICS ON PLANTING STOCK FOR REFORESTATION PURPOSES BY SOURCE AND PROVINCE, 1984-1986

Province or Territory	Number of production centers		Area available for production <sup>a</sup>	Seedling production				Targeted seedling production by source 1986 (%)			
	1984	1985		Trees shipped 1984	Planned production 1985	Planned production 1986	Federal	Provincial	Industry	Private	
A. Containerized seedling production											
Nfld.	3	3	3 204	2 439	3 165	3 165	-	100.0	-	-	
P.E.I.	1	1	3 717	1 214	1 675	2 000	-	100.0	-	-	
N.S.	8	8	27 407	12 073	23 900	29 754	-	64.4	19.1	16.5	
N.B.	9	10	53 316	39 802	54 391	54 411	-	61.2	38.3	0.5	
Que.	15	8	126 870	21 500	35 000	99 000	-	50.5	-	49.5	
Ont.	32	36	77 979	81 458	78 731	88 986	-	9.1	-	90.9	
Man.	2	2	6 582	3 722	7 688	10 360	-	100.0	-	-	
Sask.	-	1	1 134	-	765	1 530	-	100.0	-	-	
Alta.	5	5	27 115	15 139	23 740	23 750	-	75.8	12.6	11.6	
B.C.	26	37	240 395	74 702	155 338	241 598	-	46.6	7.6	45.8	
Total	101	111	567 719	252 049	384 393	554 554	-	46.6	8.6	44.8	
B. Bare-root seedling production											
Nfld.	1	1	40	3 242	7 000	9 000	-	100.0	-	-	
P.E.I.	1	1	20	315	390	400	-	100.0	-	-	
N.S.	2	2	99	4 600	4 400	6 500	-	100.0	-	-	
N.B.	2	2	126	14 300	13 000	13 000	-	26.9	73.1	-	
Que.	8	8	387	47 400	66 500	61 000	-	86.9	-	-	
Ont.	11	11	761	59 938	71 151	68 875	-	98.3	1.7	13.1	
Man.	1	1	38	2 700	4 500	4 500	-	100.0	-	-	
Sask.	4	4	151	10 647	11 365	18 159	-	100.0	-	-	
Alta.	2	2	100	9 600	14 200	12 300	-	97.6	-	2.4	
B.C.	11	10	853	53 329	53 696	51 450	-	80.1	9.7	10.2	
Total	43	42	2 575	206 071	246 202	245 184	-	88.1	6.4	5.5	

<sup>a</sup> Containerized seedling: square metres; bare-root seedling: hectares.

Source: Smyth, J.H.; Brownwright, A.J. Forest Tree Production Centres in Canada - 1984. Forestry Canada.

## I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. <sup>a</sup>	Yukon	N.W.T.	Canada
A. Area harvested														
Clear-cut (ha)														
1975	15 700e	1 600e	27 260	94 400e	104 609 <sup>a</sup>	140 896	15 700e	17 500	20 256	133 277	112	-	571 310	
1976	14 700e	1 600e	26 285	92 800e	140 106 <sup>a</sup>	114 171	17 000e	16 900	19 060	147 897	104	-	590 623	
1977	14 300e	1 600e	28 335	86 500e	159 045 <sup>a</sup>	121 930	18 000e	16 200	21 450	140 169	250	-	607 779	
1978	17 600e	1 600e	32 120	89 200e	185 908 <sup>a</sup>	141 381	20 000e	21 100	22 103	168 820	299	-	700 131	
1979	17 700e	1 780e	33 703	100 000e	208 498 <sup>a</sup>	160 148	24 600e	25 100	24 689	157 395	-	-	753 613	
1980	15 175	2 500e	35 000e	85 900e	199 920 <sup>a</sup>	217 157	24 600e	16 930	23 562 <sup>b</sup>	156 786	58	-	777 588	
1981	13 454	2 700e	35 000e	65 500e	204 000 <sup>a</sup>	202 786	18 900	18 280	20 934 <sup>b</sup>	125 148	45	-	706 747	
1982	8 000	2 700e	35 000e	72 445e	159 120 <sup>a</sup>	200 337	20 400	15 830	27 287 <sup>b</sup>	134 430	43	-	675 592	
1983	13 900	2 500e	20 100	77 490e	239 800 <sup>a</sup>	153 086	14 100	19 690	32 739 <sup>b</sup>	165 946	-	-	739 351	
1984	17 600	2 500e	29 900	78 850e	245 700 <sup>a</sup>	187 319	15 700	21 910	28 121 <sup>b</sup>	171 223	-	-	798 823	
1985	16 400	3 200e	28 800	82 720e	242 150 <sup>a</sup>	185 172	15 900	19 693	33 825 <sup>b</sup>	185 549	-	-	813 409	
Total harvesting (ha)														
1975	15 700e	1 600e	27 260	94 400e	135 094 <sup>a</sup>	196 760 <sup>c</sup>	15 700e	17 500	20 256	156 976	620	706	682 572	
1976	14 700e	1 600e	26 285	92 800e	181 737 <sup>a</sup>	156 721 <sup>c</sup>	17 000e	16 900	19 060	175 952	560	396	703 711	
1977	14 300e	1 600e	28 335	86 500e	193 295 <sup>a</sup>	187 993 <sup>c</sup>	18 000e	16 200	21 450	166 081	747	688	735 189	
1978	17 600e	1 600e	32 120	89 200e	226 127 <sup>a</sup>	194 998 <sup>c</sup>	20 000e	21 100	22 103	196 533	935	693	823 009	
1979	17 700e	1 780e	33 703	100 000e	241 826 <sup>a</sup>	218 579 <sup>c</sup>	24 600e	25 100	24 689	187 547	280	629	876 433	
1980	15 175	2 500e	36 439e	85 900e	245 000 <sup>d</sup>	242 679 <sup>c</sup>	24 600e	16 930	23 562 <sup>b</sup>	187 834	58	742	881 419	
1981	13 454	2 700e	36 429e	65 500e	250 000 <sup>d</sup>	227 603 <sup>c</sup>	18 900	18 280	20 934 <sup>b</sup>	147 889	45	903	802 637	
1982	8 000	2 700e	35 710e	72 445e	195 000 <sup>d</sup>	222 921 <sup>c</sup>	20 400	15 830	27 287 <sup>b</sup>	162 172	43	427	762 935	
1983	13 900	2 500e	20 745e	81 570e	272 085 <sup>a</sup>	183 208 <sup>c</sup>	14 100	19 690	32 739 <sup>b</sup>	188 228	321	870	829 956	
1984	17 600	2 500e	30 604 <sup>e</sup>	83 000e	280 739 <sup>a</sup>	217 806 <sup>c</sup>	15 700	21 910	28 121 <sup>b</sup>	198 453	561	1 075	898 069	
1985	16 400	3 200e	29 778 <sup>e</sup>	87 070e	266 180 <sup>a</sup>	217 984 <sup>c</sup>	15 900	19 693	33 825 <sup>b</sup>	210 397	135	990	901 552	
B. Area of site preparation														
Prescribed burning (ha)														
1975	-	-	-	300	-	-	-	-	-	60 615	-	-	60 915	
1976	-	-	-	500	-	-	-	-	-	61 759	-	-	62 259	
1977	-	-	-	400	-	2 949	-	-	-	29 942	-	-	33 291	
1978	-	-	-	1 000	-	4 247	-	-	-	33 460	-	-	38 707	
1979	-	-	-	1 500	-	4 163	-	-	-	47 468	-	-	53 131	
1980	115	-	-	656	-	2 362	-	-	217	26 896	-	-	30 246	
1981	76	-	129	2 284	-	2 409	-	-	-	18 372	-	-	23 270	
1982	8	-	65	1 952	-	5 277	-	-	-	29 993	-	-	37 295	
1983	8	-	2 088	50	-	4 501	-	-	-	34 457	-	-	41 104	
1984	414	-	2 644	-	56	3 830	-	-	-	39 713	-	-	46 657	
1985	225	-	77	-	246	8 461	-	-	-	44 090	-	-	53 099	

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. <sup>a</sup>	Yukon	N.W.T.	Canada
<b>B. Area of site preparation (continued)</b>														
Scarification (ha)	1975	-	-	595	9 800	3 008	45 231	3 965	2 973	17 537	13 194	-	-	96 303
	1976	-	48	634	10 500	2 570	39 157	4 038	1 969	14 606	15 490	-	-	89 012
	1977	28	-	850	13 500	7 555	37 638	4 080	2 643	16 976	18 227	-	-	101 497
	1978	320	16	2 608	15 000	8 478 <sup>e</sup>	32 290	4 342	4 169	20 396	17 948	-	-	105 567
	1979	1 508	566	2 255	16 802 <sup>f</sup>	14 217	43 340	3 823	5 365	15 143	19 827	-	-	122 846
	1980	235	566	1 952	16 591 <sup>f</sup>	6 993	50 624	3 836	7 633	12 802	20 529	-	-	121 761
	1981	1 097	280	1 879	20 374 <sup>g</sup>	6 904	51 683	4 161	8 634	13 568	20 758	-	-	129 338
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	11 141	16 611	18 892	-	-	138 133
	1983	1 840	485	1 038	10 570	16 088	66 476	3 951	6 901	19 607	25 251	-	-	152 207
	1984	2 855	1 228	1 297	8 862	27 036	73 893	3 838	6 831	18 082	28 276	-	-	172 198
	1985	1 880	1 110	-	9 293	43 201	83 283	4 821	7 481	19 404	15 412	-	-	185 885
Total site preparation (ha) <sup>h</sup>	1975	-	-	595	10 100	3 008	45 231	3 965	3 918	17 537	73 809	-	-	158 163
	1976	-	48	634	11 000	2 570	39 157	4 038	3 089	14 606	77 249	-	-	152 391
	1977	28	-	850	13 900	7 555	47 961	4 080	4 665	16 976	48 169	-	-	144 184
	1978	320	16	2 608	16 000	9 539	48 706	4 443	5 973	20 396	51 408	-	-	159 409
	1979	1 508	566	2 255	18 500	14 769	53 390	4 356	6 815	15 143	67 295	224	-	184 821
	1980	379	566	8 010	24 926	13 903	56 620	4 055	7 633	13 019	65 194	-	-	194 305
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	8 634	13 568	54 893	-	-	192 400
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	11 141	16 611	62 631	-	-	208 172
	1983	1 848	579	6 263	11 132	21 940	78 142	4 338	6 901	19 607	73 439	-	-	224 189
	1984	3 769	1 485	7 984	8 862	29 902	86 932	4 839	6 831	18 082	84 413	-	-	253 099
	1985	3 446	1 371	12 025	9 293	50 906	98 953	6 674	7 481	19 404	91 421	-	-	300 974
C. Area planted	1975	-	-	980	5 300	15 905	27 284	573	3 622	1 818	50 440	-	-	105 962
	1976	-	40 <sup>e</sup>	777	5 450	15 271	24 165	743	3 363	761	44 171	-	-	94 741
	1977	-	40 <sup>e</sup>	1 359	5 200	16 348	24 101	738	4 215	180	32 012	-	-	84 193
	1978	-	54	1 907	8 100	14 026	25 189	917	5 359	110	34 740	-	-	90 402
	1979	-	44	888	8 500	14 039	26 693	470	6 348	-	40 534	-	-	97 516
	1980	200	176	1 245	8 943	13 828	27 146	567	5 006	523	42 265	-	-	99 899
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	3 278	4 152	31 577	-	-	99 395
	1982	-	73	1 331	7 922	15 696	30 278	1 817	5 198	4 857	34 217	-	-	101 389
	1983	919	162	1 605	1 838	21 345	30 023	1 424	5 597	4 899	47 948	-	-	115 760
	1984	1 514	117	1 285	2 313	20 036	25 752	863	4 858	2 734	44 685	-	-	104 157
	1985	1 273	179	1 786	1 573	26 958	33 391	1 398	5 276	2 701	43 640	-	-	118 175

## I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. <sup>a</sup>	Yukon	N.W.T.	Canada
<b>C. Area planted (continued)</b>														
Bare-root seedlings (000)	1975	-	100e	2 495	13 096	36 582	45 984e	1 335	5 242	2 273	58 257	-	-	165 364
	1976	-	100e	1 925	13 467	35 124	41 927e	2 088	4 530	952	48 334	-	-	148 427
	1977	-	100e	3 125	12 849	37 601	43 343e	1 406	5 747	234	34 317	-	-	138 722
	1978	-	135	3 045	20 015	32 259	52 928	1 217	8 099	129	38 122	-	-	155 949
	1979	-	110	1 900	21 004	32 389	61 453	1 293	10 272	-	48 040	-	-	176 461
	1980	500	381	2 570	19 835	34 573	65 360	1 164	9 480	799	49 737	-	-	184 399
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	6 165	6 084	37 173	-	-	183 688
	1982	-	177	3 673	11 250	37 579	63 660	3 772	10 181	6 220	40 261	-	-	176 773
	1983	2 101	452	4 682	3 414	53 354	65 754	3 555	10 802	6 474	54 860	-	-	205 448
	1984	4 009	315	3 521	4 910	50 081	49 661	2 236	9 207	3 217	51 794	-	-	178 951
	1985	2 859	407	4 748	3 257	67 394	67 232	3 402	9 785	3 732	48 072	-	-	210 888
Container area (ha)	1975	-	80e	445	1 375	-	2 766	543	41	4 198	12 638	-	-	22 086
	1976	-	80e	453	2 600	58e	2 005	303	129	4 038	15 990	-	-	25 656
	1977	-	80e	972	4 407	196e	2 406	94	286	5 304	23 729	-	-	37 474
	1978	-	40	1 383	2 600	53e	2 360	303	342	7 035	23 529	-	-	37 645
	1979	184	40	1 788	7 200	23e	4 137	100	643	8 264	23 143	-	-	45 522
	1980	160	247	2 496	13 095	13	4 934	195	784	8 727	21 410	-	-	52 061
	1981	779	465	2 518	15 050	1 142	6 634	689	735	7 197	35 028	-	-	70 237
	1982	802	402	2 918	14 536	1 381	7 564	386	845	6 644	48 578	-	-	84 056
	1983	917	372	2 415	18 147	4 564	18 148	396	773	7 425	46 778	-	-	99 935
	1984	913	456	3 651	17 093	9 188	27 242	845	-	11 061	55 347	-	-	125 796
	1985	1 489	715	4 798	17 880	12 169	38 693	2 771	-	6 528	57 802	-	-	142 845
Container seedlings (000)	1975	-	200e	1 100	3 398	-	4 791e	1 266	90	5 247	14 564	-	-	30 656
	1976	-	200e	1 120	6 425	132	3 589e	842	214	5 045	17 498	-	-	35 065
	1977	-	200e	2 401	10 890	450	4 381e	180	623	6 633	25 438	-	-	51 196
	1978	-	100	3 416	6 425	122	5 487	402	641	8 218	25 211	-	-	50 022
	1979	460	100	4 416	17 791	54	7 945	275	1 320	10 329	26 932	-	-	69 622
	1980	398	588	5 514	30 951	29	10 497	400	1 235	10 528	25 235	-	-	85 375
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 359	8 731	41 127	-	-	114 166
	1982	1 803	996	7 541	28 842	2 881	16 465	800	1 571	7 913	57 442	-	-	126 254
	1983	2 001	1 042	7 037	39 276	10 118	39 211	1 038	340	10 114	53 518	-	-	163 695
	1984	2 194	1 231	9 859	36 363	22 062	76 656	2 274	-	13 058	64 161	-	-	227 858
	1985	3 075	1 625	12 759	37 589	29 147	79 530	6 022	-	8 233	63 672	-	-	241 652

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. <sup>a</sup>	Yukon	N.W.T.	Canada
<b>C. Area planted (continued)</b>														
<b>Total area planted (ha)</b>														
1975	120e	-	1 425	6 675	15 905	30 050	1 116	3 663	6 016	63 078	-	-	-	128 048
1976	120e	-	1 230	8 050	15 329	26 170	1 046	3 492	4 799	60 161	-	-	-	120 397
1977	120e	-	2 331	9 607	16 544	26 507	832	4 501	5 484	55 741	-	-	-	121 667
1978	94	-	3 290	10 700	14 079	27 549	1 220	5 701	7 145	58 269	-	-	-	128 047
1979	84	184	2 676	15 700	14 062	30 830	570	6 991	8 264	63 677	-	-	-	143 038
1980	423	360	3 741	22 038	13 841	32 080	762	5 790	9 250 <sup>j</sup>	63 675	-	-	-	151 960
1981	490	1 853	5 085	22 121	15 875	38 107	4 134	4 013	11 349 <sup>j</sup>	66 605	-	-	-	169 632
1982	475	802	4 249	22 458	17 077	37 842	2 203	6 043	11 501 <sup>j</sup>	82 795	-	-	-	185 445
1983	534	1 836	4 020	19 985	25 909	48 171	1 820	6 370	12 324 <sup>j</sup>	94 726	-	-	-	215 695
1984	573	2 427	4 936	19 406	29 224	62 994	1 708	4 858	13 795 <sup>j</sup>	100 032	-	-	-	239 953
1985	894	2 762	6 584	19 453	39 127	72 084	4 169	5 276	9 229 <sup>j</sup>	101 442	-	-	-	261 020
<b>Total seedlings planted (000)</b>														
1975	300e	-	3 595	16 494	36 582	50 775	2 601	5 332	7 520	72 821	-	-	-	196 020
1976	300e	-	3 045	19 892	35 256	45 516	2 910	4 744	5 997	65 832	-	-	-	183 492
1977	300e	-	5 526	23 739	38 051	47 724	1 586	6 370	6 867	59 755	-	-	-	189 918
1978	235	-	6 461	26 400	32 381	58 415	1 619	8 740	8 347	63 333	-	-	-	205 931
1979	460	460	7 326	38 795	32 343	69 398	1 568	11 592	10 329	74 972	-	-	-	246 993
1980	898	969	8 081	50 786	34 602	75 857	1 564	10 715	11 327	74 972	-	-	-	269 771
1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	7 524	14 815	78 300	-	-	-	297 854
1982	1 803	1 173	11 157	40 092	40 460	80 125	4 572	11 752	14 133	97 703	-	-	-	302 970
1983	4 102	1 494	11 719	42 690	63 472	104 965	4 593	11 142	16 588	108 378	-	-	-	369 143
1984	6 203	1 546	13 380	41 273	72 143	126 317	4 510	9 207	16 275	115 955	-	-	-	406 809
1985	5 934	2 032	17 507	40 846	96 541	146 762	9 424	9 785	11 965	111 744	-	-	-	452 540
<b>D. Area of direct seeding (ha)</b>														
1975	-	-	-	125	5 693	23 510	223	-	4 747	-	-	-	-	34 298
1976	-	-	10	550	1 810	27 039	199	-	6 325	-	-	-	-	35 933
1977	-	-	1	393	3 373	28 791	61	-	10 110	-	-	-	-	42 729
1978	-	-	127	-	5 703	23 582	126	-	7 505	-	-	-	-	37 043
1979	-	-	77	-	6 744	24 251	2 774	-	5 543 <sup>k</sup>	-	-	-	-	39 389
1980	36	-	-	-	9 949	47 294	1 093	-	6 635 <sup>k</sup>	-	-	-	-	65 007
1981	54	-	-	172	9 525	27 869	272	-	4 701 <sup>k</sup>	-	-	-	-	42 593
1982	230	-	55	9	14 506	29 991	118	-	5 370 <sup>k</sup>	-	-	-	-	50 279
1983	-	-	-	-	6 116	21 246	697	-	8 974 <sup>k</sup>	315	-	-	-	37 348
1984	-	-	-	-	8 649	16 229	145	-	8 436 <sup>k</sup>	284	-	-	-	33 743
1985	-	-	-	-	1 002	18 894	-	-	6 293 <sup>k</sup>	-	-	-	-	26 189



## I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONCLUDED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. <sup>a</sup>	Yukon	N.W.T.	Canada
E. Area of stand tending (ha)	1975	213	-	1 334	-	-	33 277	562	12	143 <sup>n</sup>	1 841	-	-	37 382
	1976	196	-	1 625	-	-	38 324	377	10	583 <sup>n</sup>	9 733	-	-	50 848
	1977	1 928	-	2 146	1 032 <sup>l</sup>	-	52 850	558	-	123 <sup>n</sup>	23 435	-	-	82 072
	1978	1 976	-	2 504	1 807 <sup>l</sup>	-	48 269	624	-	245 <sup>n</sup>	26 586	-	-	82 011
	1979	2 321	20	3 556	3 436 <sup>l</sup>	-	39 228	220	142	272 <sup>n</sup>	33 279	-	-	82 474
	1980	3 006	49	7 451	18 924 <sup>l</sup>	10 829	51 036	263	121	270 <sup>n</sup>	30 877	-	-	122 826
	1981	4 248	353	9 264	17 618 <sup>l</sup>	12 686 <sup>m</sup>	54 506	-	404	701 <sup>n</sup>	37 677	-	-	124 395
	1982	4 750	1 112	5 923	18 263 <sup>l</sup>	6 446 <sup>m</sup>	54 506	-	260	624 <sup>n</sup>	26 031	-	-	117 915
	1983	5 559	814	7 133	30 488 <sup>l</sup>	15 960	47 560	1 559	791	245 <sup>n</sup>	15 739	-	-	125 848
	1984	6 205	707	13 115	40 040 <sup>l</sup>	21 220	69 994	4 592	1 817	510 <sup>n</sup>	30 865	-	-	189 065
	1985	6 795	856	16 526	45 700 <sup>l</sup>	19 800	92 838	2 944	712	1 005 <sup>n</sup>	29 416	-	-	216 592
F. Area of pest control (ha)	1975	-	-	-	2 695 000	2 800 000	14 167	-	-	-	1 785	-	-	5 510 952
	1976	-	-	-	3 881 000	2 900 000	41 060	-	-	-	2 667	-	-	6 824 727
	1977	76 910	-	556	1 682 000	1 400 000	10 522	-	-	-	2 384	-	-	3 172 372
	1978	376 600	-	25 670	1 554 000	1 200 000	4 085	-	-	-	2 908	-	-	3 163 263
	1979	-	-	30 752	1 598 000	600 000	22 072	-	-	-	2 287	-	-	2 253 111
	1980	-	-	25 670	1 900 000	188 511	36 422	-	-	-	1 564	-	-	2 152 167
	1981	-	-	31 195	1 693 000	705 164	2 477	-	-	-	3 830	-	-	2 435 666
	1982	-	-	19 153	1 867 570	2 298 495	28 685	-	-	-	-	-	-	3 213 903
	1983	-	-	20 726	1 245 000	1 253 605	43 770	-	12	-	2 374	-	-	2 565 487
	1984	-	-	20 537	732 000	712 282	47 280	428	434	-	3 948	-	-	1 516 909
1985	145 086	-	-	49 719	545 000	698 343	10 339	750	-	-	3 488	-	-	1 452 735

<sup>a</sup>Provincial Crown land only.

<sup>b</sup>From 1980-1981 to 1985-1986, an additional 39 631 ha were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.

<sup>c</sup>Other harvesting in uneven-aged stands. Figures do not include harvesting methods, termed as regeneration conducted in largely hardwood forests. Strip cutting, seed tree cutting, shelterwood cutting and clear-cutting covered an area of 139 956 ha from 1980-1981 to 1985-1986.

<sup>d</sup>Includes cutovers on private land.

<sup>e</sup>Includes shelterwood harvesting.

<sup>f</sup>Includes 1 288 ha of burning and scarification.

<sup>g</sup>Includes 870 ha of burning and scarification and 108 ha of chemical treatment and scarification.

<sup>h</sup>Includes other site preparation.

<sup>i</sup>From 1979-1980 to 1985-1986, an additional 40 359 ha were scarified under a special stand conversion program.

<sup>j</sup>From 1980-1981 to 1985-1986, an additional 41 258 ha were planted under a special stand conversion program.

<sup>k</sup>From 1980-1981 to 1985-1986, an additional 1 766 ha were directly seeded under a special stand conversion program.

<sup>l</sup>Figures for 1977-1978 to 1979-1980 differ from those in Grace and Golec (1982) because they were received after the publication date.

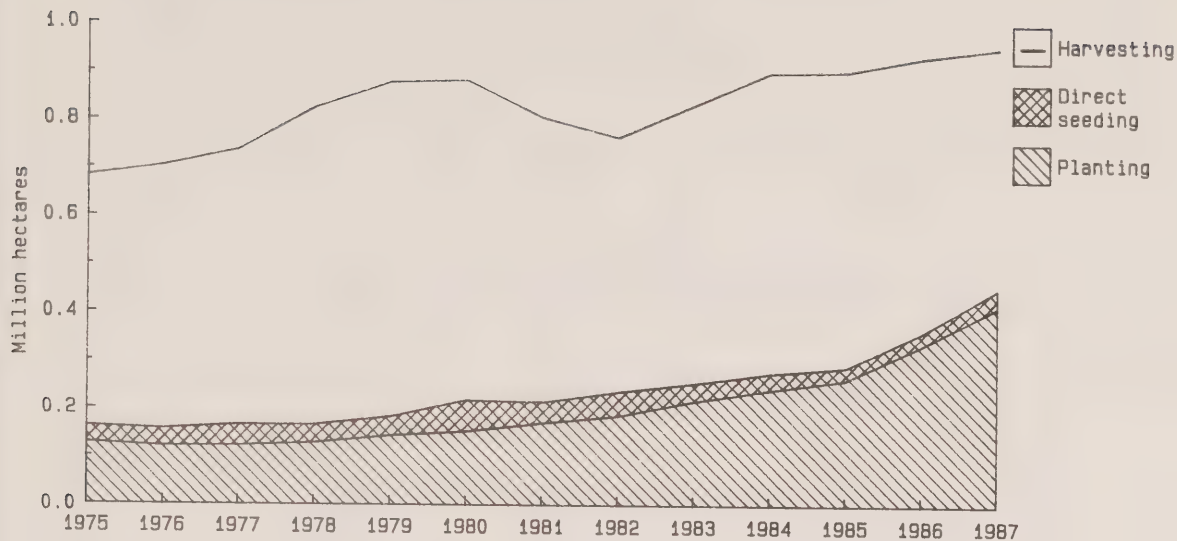
<sup>m</sup>Precommercial thinning only. Data on other treatments are not available.

<sup>n</sup>Thinning only.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary, Forestry Canada.



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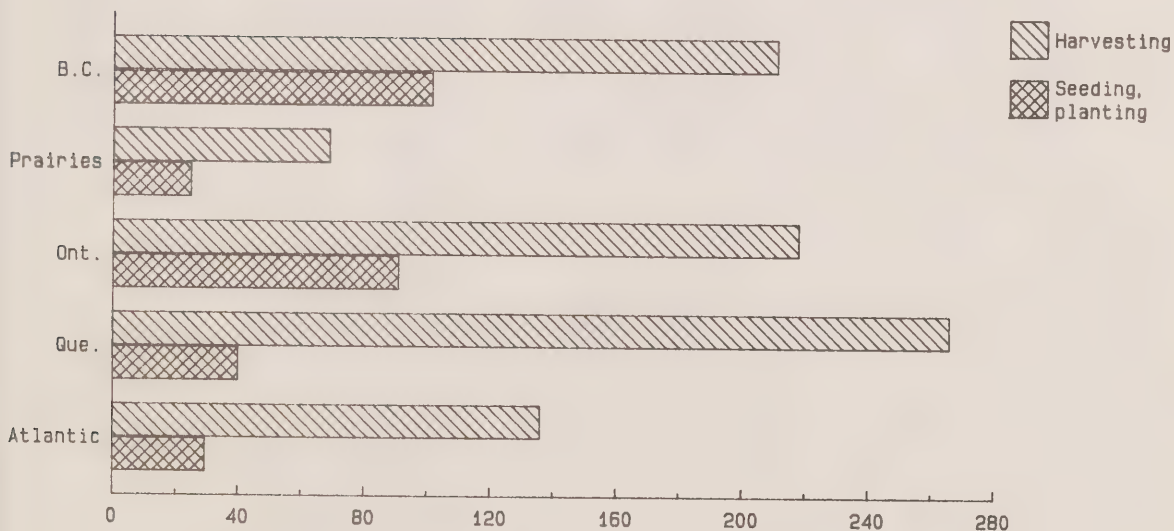


**Figure 2.** Harvesting compared to planting and direct seeding in Canada, 1975-1987.

Source: Silviculture statistics for Canada: an 11-year summary, Forestry Canada and estimated figures for 1986-1987, Forest Development Branch.

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Thousand hectares



**Figure 3.** Harvesting compared to artificial regeneration by region, 1985.

Source: Silviculture Statistics for Canada: an 11-year summary, Forestry Canada.

I - 7. SILVICULTURE TREATMENTS (AREA) PERFORMED UNDER FOREST ECONOMIC AND REGIONAL DEVELOPMENT AGREEMENTS, 1984-1986<sup>a</sup>

Year	Nfld.	P.E.I.	N.S.	N.B.	Que. <sup>b</sup>	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						hectares					
<b>A. Site preparation</b>											
1984	-	648	4 857	224	-	39 475	447	3 986	-	-	49 637
1985	-	1 483	8 343	1 652	65 754	14 855	588	5 261	-	14 270	112 206
1986	772	1 416	11 611	1 168	81 682	53 069	2 050	2 269	1 608	19 253	174 898
<b>B. Planting and direct seeding</b>											
1984	-	347	3 030	12 130	-	13 992	1	-	-	-	29 500
1985	-	492	3 776	14 747	35 832	18 753	638	2 882	-	13 953	91 073
1986	797	699	5 059	15 649	55 227	13 799	993	3 177	-	20 467	115 867
<b>C. Stand tending</b>											
1984	-	1 037	11 580	5 378	-	8 806	618	56	-	-	27 475
1985	-	1 160	16 762	24 183	14 561	10 605	339	764	30	5 546	73 950
1986	6 788	1 217	17 299	8 758	16 119	28 751	642	629	55	34 587	114 845
<b>D. Silviculture treatments<sup>c</sup></b>											
1984	-	2 032	19 467	17 732	-	62 273	1 066	4 042	-	-	106 612
1985	-	3 135	28 881	40 582	116 147	44 213	1 565	8 907	30	33 769	277 229
1986	8 357	3 332	33 969	25 575	153 028	95 619	3 685	6 075	1 663	74 307	405 610
<b>E. Pest control</b>											
1984	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	30 949	-	1 066	-	-	-	32 015
1986	-	-	-	-	14 633	30	-	-	-	-	14 663

<sup>a</sup>1984 for fiscal year 1984-1985, 1985 for 1985-1986 and 1986 for 1986-1987.

<sup>b</sup>Forest Development Subsidiary Agreement and Gaspe and Lower St. Lawrence Program.

<sup>c</sup>Excluding pest control.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada.

I - 8. SILVICULTURE TREATMENTS (VALUE) PERFORMED UNDER FOREST ECONOMIC  
AND REGIONAL DEVELOPMENT AGREEMENTS, 1984-1986<sup>a</sup>

Year	Nfld.	P.E.I.	N.S.	N.B.	Que. <sup>b</sup>	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						\$000					
<b>A. Site preparation</b>											
1984	-	140	716	43	-	8 350	140	489	-	-	9 878
1985	-	309	1 265	270	13 299	1 122	176	777	-	3 506	20 724
1986	142	281	2 015	193	18 699	8 231	396	275	2 023	9 416	41 671
<b>B. Planting and direct seeding</b>											
1984	-	69	1 052	4 065	-	2 855	235	422	-	-	8 698
1985	-	102	1 352	4 791	11 745	6 537	400	1 171	-	3 436	29 534
1986	290	179	2 552	5 220	19 813	2 970	339	1 340	12	6 970	39 685
<b>C. Stand tending</b>											
1984	-	474	2 260	2 954	-	1 173	587	11	-	-	7 458
1985	-	602	4 110	5 210	6 571	1 966	148	240	54	2 151	21 051
1986	3 639	610	5 005	4 923	6 108	4 923	291	240	23	7 439	33 199
<b>D. Silviculture treatments<sup>c</sup></b>											
1984	-	684	4 028	7 061	-	12 378	962	922	-	-	26 034
1985	-	1 014	6 727	10 271	31 616	9 624	724	2 188	54	9 093	71 310
1986	4 070	1 069	9 572	10 337	44 620	16 124	1 026	1 854	2 058	23 826	114 554
<b>E. Pest control</b>											
1984	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	17	-	731	-	249	-	-	200	1 197
1986	403	-	89	-	740	31	-	32	-	-	1 296

<sup>a</sup>1984 for fiscal year 1984-1985, 1985 for 1985-1986 and 1986 for 1986-1987.

<sup>b</sup>Forest Development Subsidiary Agreement and Gaspé and Lower St. Lawrence Program.

<sup>c</sup>Excluding pest control.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada.

### A. Number of fires<sup>a</sup>

B. Area burned - total forest land (ha)

D. Value lost (\$000)<sup>d</sup>

[illegible]

# I - 9. FOREST FIRE STATISTICS BY PROVINCE, 1980-1988 (CONCLUDED)

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
E. Fire control expenditure-budgeted costs (\$000)														
1980	3 250	..	1 924	339	19 170	20 708	3 031	790	7 829	7 718	2 855	3 750	--	71 364 <sup>b</sup>
1981	2 400	9	1 226	425	20 775	26 800	1 000	780	22 198	6 995	4 428	3 800	2 629	93 465
1982	3 300	25	585	486	19 800	24 800	8 461	1 082	32 684	6 456	3 792	4 200	1 385	107 056
1983	3 428	24	624	1 072	23 200	24 500	8 500	8 000	19 075	50 000	5 746	9 667	1 649	155 485
1984	1 735	30	..	1 186	22 800	26 000	7 600	9 020	19 658	46 000	5 900	5 495	2 240	147 665
1985	1 748	165	2 722	410	26 087	20 900	7 800	7 964	27 266	45 345	5 500	5 600	2 276	153 783
1986	1 801	49	..	500	25 753	31 000	8 200	11 645	18 017	..	3 300	5 815	2 731	108 811
1987	1 760	37	..	534	25 135	35 000	7 887	13 678	17 600	..	5 000	6 600	2 399	115 630
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..
F. Fire control expenditure fire-fighting costs (\$000) <sup>f</sup>														
1980	420	..	300	770	1 869	56 183	7 155	15 311	37 341	18 024	2 045	11 800	3 370	154 591 <sup>b</sup>
1981	665	13	120	263	2 369	2 700	7 353	21 995	51 830	39 223	3	7 582	1 769	135 891
1982	130	-	186	3 010	3 249	16 999	2 725	8 250	55 912	42 258	532	7 283	1 031	141 565
1983	50	-	159	2 229	11 803	20 000	8 259	7 589	16 214	24 800	1 478	7 700	300	100 581
1984	592	34	250	517	1 100	7 500	7 337	14 724	7 804	37 500	1 300	4 800	2 018	85 474
1985	2 247	177	304	1 045	1 831	2 500	1 634	9 109	9 234	101 479	676	3 513	2 391	136 140
1986	4 372	92	276	9 000	5 192	16 500	1 234	11 645	13 284	21 539 <sup>d</sup>	3 700	13 180	2 294	102 308
1987	3 060	31	..	2 834	4 042	23 100	15 148	33 794	25 286	35 836 <sup>d</sup>	550	9 320	2 320	155 321
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..

<sup>a</sup> Approximately 60% of the forest fires have a known-man cause, 35% are caused by lightning and 3% have an unknown cause.

<sup>b</sup> Includes other federal lands.

<sup>c</sup> Does not include limited protection zone, includes intensive protection zone only.

<sup>d</sup> As of 1986, data on value lost are no longer reported.

<sup>e</sup> Excludes the value of timber lost on 18 396 ha in the limited protection zone from 1980 to 1982.

<sup>f</sup> Does not include air tankers and rapattacks.

Nota: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S., Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983. Forestry Canada and unpublished figures 1984-1988.

**I - 10. STATISTICS ON FOREST INSECT AND DISEASE CONDITIONS - ESTIMATED  
AVERAGE ANNUAL DEPLETION CAUSED BY IMPORTANT PESTS, 1977-1981**

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
			1 000 000 m <sup>3</sup>	
<b>A. Insects</b>				
Spruce budworms				
Nfld.	3.7	..	-	3.7
P.E.I.	..	..	-	..
N.S.	3.1	..	-	3.1
N.B.	1.6	..	-	1.6
Que.	14.8	..	-	14.8
Ont.	11.6	..	-	11.6
Total	34.8	9.7	-	44.5
Mountain pine beetle	5.1	..	-	5.1
Spruce bark beetle	3.5	..	-	3.5
Other bark beetles	0.3	..	-	0.3
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.3	0.8	-	1.1
<b>Total</b>	<b>44.0</b>	<b>18.5</b>	<b>-</b>	<b>62.5</b>
<b>B. Diseases</b>				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
<b>Total</b>	<b>16.1</b>	<b>3.8</b>	<b>25.0</b>	<b>44.9</b>
<b>Total insects and diseases</b>	<b>60.1</b>	<b>22.3</b>	<b>25.0</b>	<b>107.4</b>

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Forestry Canada.



I - 11. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT ACTIVITIES, 1977-1985<sup>a</sup>

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other <sup>b</sup>	Total <sup>c</sup>
						\$000 000				
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	115.7	125.8	72.3	9.9	13.7	43.1	110.0	-	490.5
	1981	195.6	262.8	79.5	16.5	20.8	71.6	138.8	-	785.6
	1982	227.6	240.2	74.8	17.5	20.6	78.5	160.7	-	820.0
	1983	240.9	182.1	87.1	18.3	21.3	75.1	159.2	-	783.9
	1984	302.4	191.5	95.9	18.6	19.8	76.9	177.9	-	882.9
	1985	349.8	299.3	99.8	20.6	20.6	85.2	187.6	-	1 063.0
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5 <sup>c</sup>	-	103.2
	1981	33.7	22.5	23.0	39.9	1.8	3.1	18.6 <sup>c</sup>	-	142.6
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1 <sup>c</sup>	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3 <sup>c</sup>	-	183.6
	1984	38.7	22.5	10.4	66.2	1.9	3.0	39.6	-	182.3
	1985	63.5	20.4	8.1	68.8	3.2	3.6	41.5	-	209.0
Industry	1977	16.1	18.6	161.0	-	..	..	..	25.1	220.8
	1979	21.9	20.9	193.2	-	..	..	..	42.0	278.0
	1981	43.0	26.3	162.8	-	..	..	..	87.4	319.5 <sup>b</sup>
	1982	..	..	..	..	..	..	..	..	..
	1983	36.6	33.7	121.8	-	..	..	..	88.1	280.3
	1984	..	..	..	..	..	..	..	..	..
	1985	63.3	39.4	238.8	-	..	-	-	64.4	405.9
Total expenditures	1977	118.2	115.3	216.8	37.2	..	..	..	171.8	659.3
	1979	164.5	157.8	284.7	40.0	..	..	..	224.6	871.6
	1981	272.3	311.6	265.3	56.4	..	..	..	342.1	1 247.7
	1982	..	..	..	..	..	..	..	..	..
	1983	335.9	241.6	229.6	77.2	..	..	..	363.5	1 247.8
	1984	..	..	..	..	..	..	..	..	..
	1985	476.6	359.1	346.7	89.4	..	..	..	406.1	1 677.9

<sup>a</sup>1977 for fiscal year 1977-1978...1985 for 1985-1986.

<sup>b</sup>Other expenditures in this case include the "inventory," "timber management," and "administrative and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

<sup>c</sup>\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million, and \$32.3 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983, and 1985. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Canadian Pulp and Paper Association and Forestry Canada.

I - 12. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE, ACTIVITY, AND PROVINCE, 1977-1985<sup>a</sup>

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub- total	Yukon and N.W.T.	Canada
\$000 000																
<b>A. Source</b>																
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	361.7
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-	490.4
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.0	284.9	785.5	-	785.5
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	64.6	84.7	270.7	783.9	-	783.9
	1985	12.3	2.1	18.4	34.0	66.8	191.0	278.2	7.8	16.5	68.5	92.8	434.5	1 063.0	-	1 063.0
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	76.8
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	103.3
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	142.7
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	-	7.3	7.3	14.3	156.5	27.1	183.6
	1985	17.0	2.7	9.5	16.3	45.5	67.4	39.5	2.7	3.0	8.9	14.6	20.8	155.5	21.2	209.0
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-	220.8
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-	278.0
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-	319.5
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-	280.3
	1985	7.7	-	10.3	16.8	34.8	41.3	37.1	2.7	1.4	19.0	23.1	269.6	405.9	-	405.9
<b>B. Activity</b>																
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	118.2
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-	164.5
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-	272.3
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-	335.9
	1985	10.3	2.9	16.5	23.5	53.2	113.3	116.1	5.6	5.6	15.0	26.2	167.8	476.6	-	476.6
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	115.3
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2	157.8
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3	311.6
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	19.5	29.2	48.9	216.3	25.3	241.6
	1985	6.5	0.2	4.7	13.7	25.1	46.3	63.5	2.0	9.3	22.8	34.1	170.6	339.6	19.4	359.1
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	216.8
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-	284.7
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-	265.3
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.3	-	229.6
	1985	5.0	0.1	5.5	1.4	12.0	23.6	80.2	1.1	1.5	6.1	8.7	221.9	346.4	-	346.4

I - 12. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE, ACTIVITY, AND PROVINCE, 1977-1985<sup>a</sup> (CONCLUDED)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub- total	Yukon and N.W.T.	Canada
\$000 000																
<b>B. Activity (continued)</b>																
Research <sup>b</sup>	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	9.7	9.8	17.7	77.2	-	77.2
	1985	5.3	0.2	0.8	8.5	14.8	12.6	26.6	1.4	0.5	11.1	13.0	22.4	89.4	-	89.4
Other <sup>c</sup>	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7 <sup>d</sup>	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9 <sup>d</sup>	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
	1983	10.7	1.2	7.7	18.7	38.3	69.8 <sup>d</sup>	43.3	2.6	3.8	35.6	42.0	168.2	361.6	1.9	363.5
	1985	9.9	1.5	10.7	19.9	42.0	103.9 <sup>d</sup>	68.3	3.1	3.8	41.5	48.4	142.1	372.4	1.8	406.1
Total	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	57.4	89.1	361.9	859.4	12.2	871.6
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	131.4	190.7	474.0	1 223.0	24.7	1 247.7
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	88.4	112.0	434.2	1 220.7	27.1	1 247.8
	1985	37.0	4.9	38.2	67.0	147.1	299.7	354.7	13.2	20.7	96.5	130.4	724.8	1 656.7	21.2	1 677.9

<sup>a</sup>1977 for fiscal year 1977-1978, ... 1985 for 1985-1986.

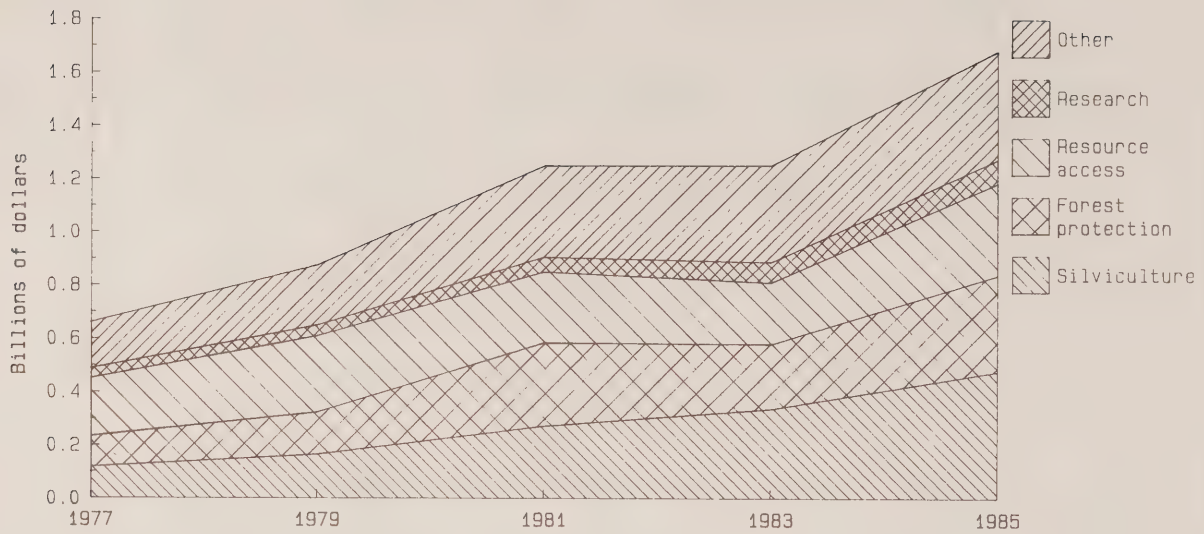
<sup>b</sup>Research expenditures include only provincial and federal estimates.

<sup>c</sup>Other expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

<sup>d</sup>\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million, and \$32.3 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983 and 1985. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Canadian Pulp and Paper Association and Forestry Canada.

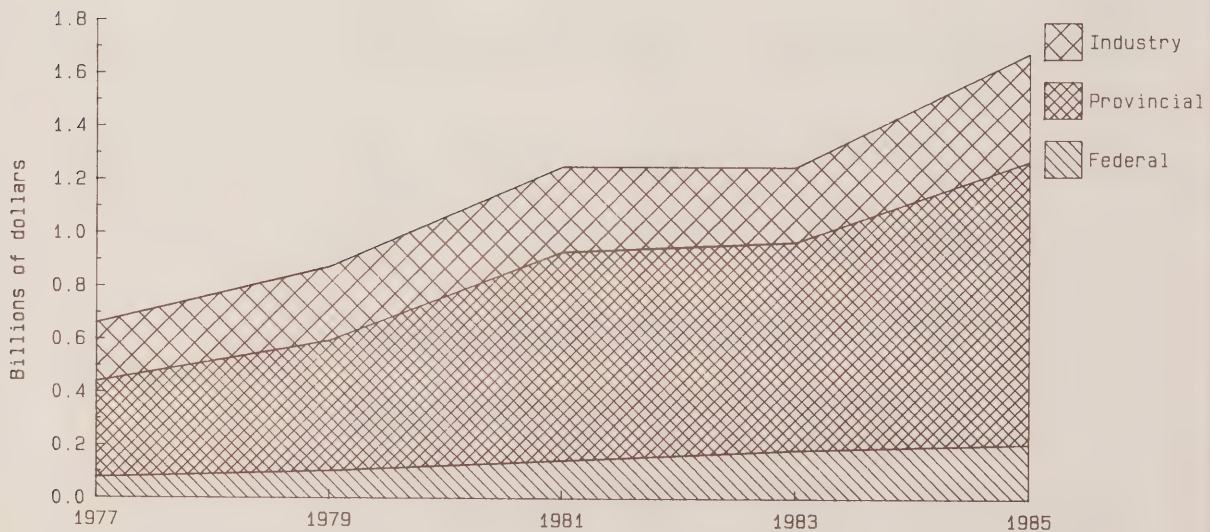
## FOREST MANAGEMENT EXPENDITURES



**Figure 4.** Public and industry expenditures on forest management by activity, 1977-1985.

Source: Forest Management Expenditures in Canada 1977-1985, Canadian Pulp and Paper Association and Forestry Canada.

## FOREST MANAGEMENT EXPENDITURES



**Figure 5.** Public and industry expenditures on forest management by source, 1977-1985.

Source: Forest Management Expenditures in Canada 1977-1985, Canadian Pulp and Paper Association and Forestry Canada.

**I - 13. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY SILVICULTURE ACTIVITIES AND PROVINCE, 1987<sup>a</sup>**

Area/activity	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada <sup>b</sup>
<b>A. Area treated (1 000 ha)<sup>c</sup></b>											
Site preparation and regeneration	7.2	2.5	17.4	15.7	158.9	54.1	1.8	7.3	5.1	58.8	328.7
Other silviculture treatments	6.0	1.3	15.4	9.2	23.5	24.7	1.6	0.3	6.3	45.6	133.8
Forest protection	-	-	-	-	-	0.5	0.8	-	-	-	1.3
<b>Total</b>	<b>13.2</b>	<b>3.8</b>	<b>32.8</b>	<b>24.9</b>	<b>182.4</b>	<b>79.3</b>	<b>4.1</b>	<b>7.6</b>	<b>11.4</b>	<b>104.4</b>	<b>463.8</b>
<b>B. Source of expenditures by activity (\$000)<sup>d</sup></b>											
Site preparation and regeneration	2 558.9	790.3	4 048.7	2 692.0	24 461.4	11 944.0	760.7	581.4	15.9	14 907.8	62 761.2
- Provincial	1 125.0	39.0	255.0	2 121.0	24 130.2	11 272.7	1 147.2	2 546.5	1 228.0	18 569.3	62 431.9
- Total	3 681.9	829.3	4 303.7	4 813.0	48 591.6	23 216.7	1 907.9	3 128.0	1 243.9	33 477.1	125 193.1
Other silviculture treatments	3 761.3	1 698.3	6 748.4	3 691.7	4 787.4	2 838.6	488.4	355.9	246.8	13 256.0	37 872.7
- Provincial	1 650.7	150.9	763.8	3 038.8	4 684.5	6 321.0	269.4	29.5	525.8	11 570.4	29 044.8
- Total	5 412.0	1 849.2	7 512.2	6 730.4	9 471.9	9 159.6	757.8	385.5	772.6	24 826.4	66 077.5
Forest protection	202.7	-	-	-	-	11.4	-	177.1	45.4	-	436.7
- Provincial	89.0	-	142.0	-	-	9.7	46.0	278.1	20.4	-	585.1
- Total	291.7	-	142.0	-	-	21.0	46.0	455.2	65.9	-	1 021.8
Research and forest extension	1 237.4	308.0	4 757.3	1 745.5	913.2	2 173.3	902.1	774.8	1 671.4	3 584.1	18 067.0
- Provincial	543.0	42.0	8 290.6	1 862.8	2 791.3	1 107.5	1 308.7	237.5	797.8	3 383.6	20 364.7
- Total	1 780.4	349.9	13 047.9	3 608.3	3 704.5	3 280.8	2 210.8	1 012.3	2 469.2	6 967.7	38 431.7
Other activities <sup>e</sup>	893.0	576.3	1 963.9	442.0	1 589.7	863.7	236.8	497.8	653.4	3 305.8	11 022.3
- Provincial	298.5	1 255.6	400.5	2.1	604.3	357.5	5.6	122.4	524.6	1 739.4	5 310.5
- Total	1 191.4	1 831.8	2 364.4	444.1	2 194.0	1 221.2	242.4	620.2	1 177.9	5 045.2	16 332.8
<b>Total activities<sup>b</sup></b>	<b>8 653.3</b>	<b>3 372.8</b>	<b>17 518.3</b>	<b>8 571.2</b>	<b>31 751.7</b>	<b>17 831.0</b>	<b>2 388.0</b>	<b>2 387.0</b>	<b>2 632.9</b>	<b>35 053.7</b>	<b>130 159.9</b>
- Provincial	3 704.1	1 487.5	9 851.9	7 024.6	32 210.2	19 068.3	2 776.9	3 214.1	3 096.6	35 262.7	117 696.9
- Total	12 357.4	4 860.3	27 370.2	15 595.8	63 962.0	36 899.3	5 164.9	5 601.1	5 729.5	70 316.4	247 856.8

<sup>a</sup>fiscal year 1987-1988.

<sup>b</sup>Total may not add up due to rounding.

<sup>c</sup>A hectare may be duplicated if it received more than one silviculture treatment.

<sup>d</sup>Actual costs per hectare may not be calculated as these costs in part B include indirect items.

<sup>e</sup>The category "Other activities" includes the expenditures related to administration, communication and evaluation.

Source: Special Compilation, Development Branch, DEVNIS, Forestry Canada.



I - 14. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY TENURE AND PROVINCE, 1987<sup>a</sup>

Area/tenure	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada <sup>b</sup>
<b>A. Area treated (1 000 ha)<sup>c</sup></b>											
Provincial Crown lands	12.5	0.3	0.6	16.7	130.7	64.0	3.2	6.7	11.1	99.8	345.6
Federal and Indian lands	-	-	-	-	1.5	1.4	-	-	0.3	1.6	5.0
Private lands	0.7	3.5	32.1	8.1	50.2	13.9	-	0.1	-	2.9	111.6
Tenure not applicable	-	-	-	-	-	-	0.9	0.7	-	-	1.6
<b>Total</b>	<b>13.2</b>	<b>3.8</b>	<b>32.8</b>	<b>24.9</b>	<b>182.4</b>	<b>79.3</b>	<b>4.1</b>	<b>7.6</b>	<b>11.4</b>	<b>104.4</b>	<b>463.8</b>
<b>B. Source of expenditures by tenure (\$000)<sup>d</sup></b>											
Provincial Crown lands	3 292.4	719.0	-	5 538.2	20 146.6	12 591.1	1 375.8	1 252.5	334.1	27 413.1	73 022.7
- Federal	227.0	312.0	312.0	6 629.5	22 035.4	17 049.2	2 768.4	3 187.2	2 772.5	33 340.4	89 766.5
- Provincial	4 737.3	946.0	312.0	12 167.7	42 182.0	30 000.3	4 144.2	4 439.7	3 106.6	60 753.4	162 789.2
Federal and Indian lands	-	-	46.5	49.2	444.8	679.6	-	47.6	133.9	1 501.1	2 902.8
- Federal	-	-	-	-	-	-	-	-	-	-	-
- Provincial	-	-	46.5	49.2	444.8	679.6	-	47.6	133.9	1 501.1	2 902.8
Private lands	265.5	1 127.9	11 025.7	2 836.0	9 570.6	1 856.0	-	46.0	-	1 073.9	27 801.6
- Federal	116.5	-	429.4	395.1	9 570.6	1 246.8	-	-	-	-	11 758.4
- Provincial	382.0	1 127.9	11 455.1	3 231.2	19 141.2	3 102.8	-	46.0	-	1 073.9	39 560.0
Tenure not applicable	5 095.4	1 525.9	6 446.1	147.7	1 589.7	2 344.3	1 012.2	1 040.9	2 164.9	5 065.6	26 432.8
- Federal	2 142.7	1 260.5	9 110.6	-	604.3	772.3	8.5	26.9	324.0	1 922.3	16 172.0
- Provincial	7 238.2	2 786.4	15 556.7	147.7	2 194.0	3 116.6	1 020.7	1 067.8	2 489.0	6 987.9	42 604.8
<b>Total<sup>b</sup></b>	<b>8 653.3</b>	<b>3 372.8</b>	<b>17 518.3</b>	<b>8 571.1</b>	<b>31 751.7</b>	<b>17 831.0</b>	<b>2 388.0</b>	<b>2 387.0</b>	<b>2 632.9</b>	<b>35 053.7</b>	<b>130 159.9</b>
- Federal	3 704.1	1 487.5	9 852.0	7 024.6	32 210.2	19 068.3	2 776.9	3 214.1	3 096.6	35 262.7	117 696.9
- Provincial	12 357.5	4 860.3	27 370.3	15 595.8	63 962.0	36 899.3	5 164.9	5 601.1	5 729.5	70 316.4	247 856.8

<sup>a</sup>Fiscal year 1987-1988.

<sup>b</sup>Total may not add up due to rounding.

<sup>c</sup>A hectare may be duplicated if it received more than one silviculture treatment.

<sup>d</sup>Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVNIS, Forestry Canada.



I - 15. FARM WOODLOTS BY PROVINCE, 1951-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots in Canada	Total farms	%
<b>A. Area of farm woodlots (1 000 ha)</b>															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	9 219	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	6 980	69 829	10.0
1971	5	85	300	276	666	1 254	931	389	404	674	1 467	342	4 660	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	4 367	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	3 551	65 889	5.4
1986	5	61	201	184	451	1 030	588	124	153	289	566	155	2 789	67 826	4.1
<b>B. Number of farms reporting forest products sales<sup>b</sup></b>															
1980	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	19 858	...	...
1985	31	161	1 015	886	2 093	9 386	3 331	198	164	359	721	989	16 520	...	...
<b>C. Value of sales (\$'000)</b>															
1980	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	64 988	...	...
1985	117	438	5 526	6 142	12 223	31 303	12 120	1 334	1 194	2 091	4 619	13 461	73 727	...	...

<sup>a</sup> A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of \$250 or more.

<sup>b</sup> Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture, 1986.



## SECTION II

### COMMODITY PRODUCTION AND SHIPMENTS

- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels

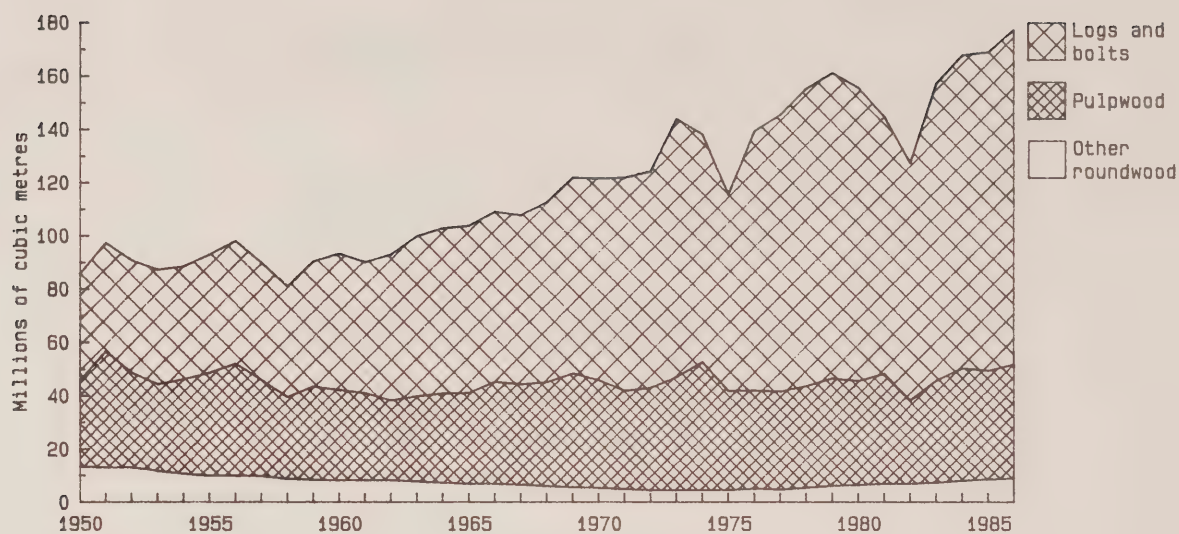


II - 1. ESTIMATION OF ROUNDWOOD PRODUCTION IN CANADA BY CATEGORY AND SPECIES GROUP, 1950-1986

Year	Industrial roundwood				Fuelwood				Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	1 000 m <sup>3</sup>		Total		Softwoods	Hardwoods	Total
					Softwoods	Hardwoods	Softwoods	Hardwoods			
1950	40 095	32 311	1 700	74 106	..	..	..	..	..	..	85 615
1960	51 120	33 924	1 461	86 505	..	..	..	..	..	..	93 256
1970	75 711	40 335	1 236	117 282	109 143	8 140	1 527	2 610	4 137	110 669	121 419
1971	77 948	36 902	1 117	115 967	107 753	8 214	1 276	2 458	3 734	109 029	119 701
1972	81 211	38 428	1 109	120 748	111 331	9 417	1 196	2 187	3 383	112 526	124 131
1973	96 886	42 378	1 079	140 343	129 688	10 655	1 165	2 297	3 462	130 853	143 806
1974	85 295	48 034	1 087	134 416	124 575	9 841	1 149	2 363	3 512	125 724	137 928
1975	73 543	37 063	891	111 497	103 437	8 060	1 211	2 554	3 765	104 648	115 262
1976	97 135	36 832	1 260	135 227	127 083	8 144	1 266	2 633	3 899	128 349	139 126
1977	103 707	36 732	1 141	141 580	132 652	8 928	1 017	2 665	3 682	133 669	145 262
1978	111 536	38 039	1 344	150 918	142 798	8 914	1 109	3 074	4 183	143 114	155 102
1979	114 433	40 242	1 789	156 464	147 661	9 590	1 281	3 225	4 506	148 155	160 970
1980	109 957	38 783	1 909	150 649	141 285	9 364	1 278	3 453	4 731	142 563	155 380
1981	96 318	41 204	1 562	139 084	130 633	8 451	1 410	4 078	5 488	132 043	144 572
1982	88 869	31 084	1 390	121 343	114 317	7 026	1 548	4 125	5 673	115 865	11 151
1983	111 269	38 090	1 365	150 724	142 293	8 431	1 609	4 588	6 197	143 902	156 921
1984	117 254	42 051	1 562	160 867	151 541	9 326	1 880	4 755	6 635	153 421	167 502
1985	119 336	40 601	2 048	161 985	152 655	9 330	1 837	4 832	6 669	154 492	168 654
1986	125 383	42 655	2 224	170 263	160 106	10 157	1 757	5 077	6 835	161 863	177 097

Source: Statistics Canada Cat. No. 25-201.

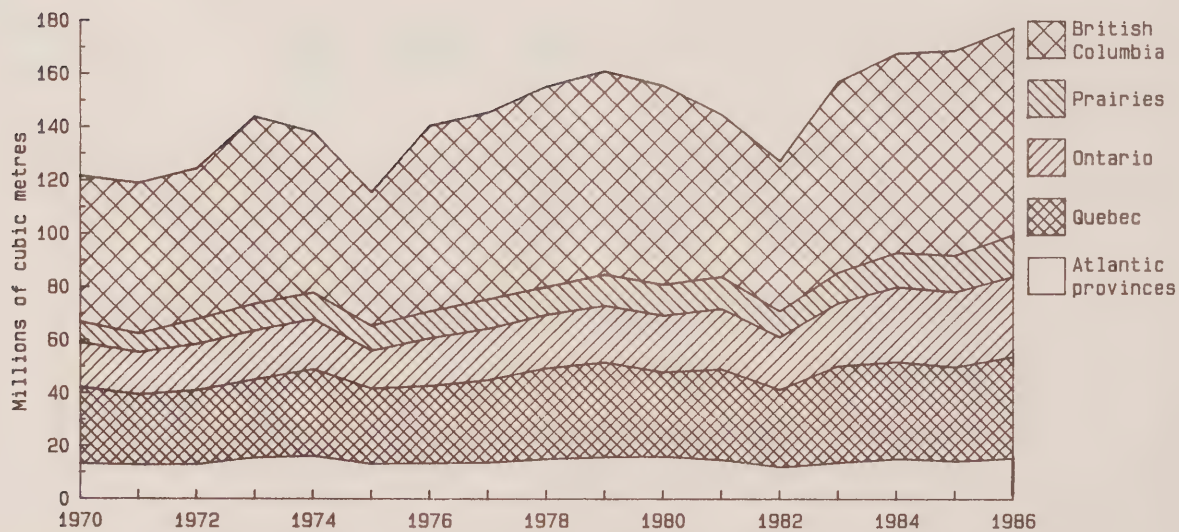
# ROUNDWOOD



**Figure 6.** Roundwood production in Canada, 1950-1986.

Source: Statistics Canada, Cat. No. 25-201.

# ROUNDWOOD



**Figure 7.** Roundwood production by region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201.



# II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986

Year	Industrial roundwood				Fuelwood				Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total		
1 000 m <sup>3</sup>												
Newfoundland												
1970	170	2 527	4	2 701	2 701	-	112	35	147	2 813	36	2 849
1971	151	2 013	4	2 168	2 165	3	125	31	156	2 290	34	2 324
1972	148	2 071	6	2 225	2 222	3	105	25	130	2 327	28	2 355
1973	241	2 563	7	2 811	2 808	3	108	34	142	2 915	37	2 952
1974	184	2 874	8	3 066	3 063	3	108	37	145	3 171	40	3 211
1975	147	2 195	6	2 348	2 345	3	79	25	104	2 424	28	2 452
1976	207	2 011	20	2 238	2 232	6	76	31	107	2 309	37	2 345
1977	230	1 875	8	2 113	2 110	3	62	20	82	2 172	23	2 195
1978	261	1 909	8	2 178	2 175	3	88	22	110	2 263	25	2 288
1979	269	1 968	17	2 254	2 248	6	202	25	227	2 450	31	2 481
1980	207	2 189	130	2 526	2 523	3	241	28	269	2 764	31	2 795
1981	261	1 903	8	2 172	2 169	3	356	40	396	2 525	43	2 568
1982	147	1 736	9	1 892	1 889	6	425	62	487	2 314	65	2 379
1983	293	1 697	5	1 995	1 989	6	379	55	434	2 368	61	2 429
1984	183	2 053	4	2 240	2 239	1	572	77	649	2 811	78	2 889
1985	183	1 760	8	1 951	1 950	1	490	68	558	2 440	69	2 509
1986	228	1 732	6	1 966	1 963	3	389	53	442	2 352	56	2 408
Prince Edward Island												
1970	68	109	10	187	186	1	34	23	57	220	24	245
1971	77	66	9	152	137	15	40	20	60	177	35	212
1972	67	66	5	138	134	4	31	20	51	165	24	188
1973	69	62	10	141	129	12	3	28	31	131	40	172
1974	83	62	8	153	148	5	6	31	37	154	36	190
1975	71	45	6	122	118	4	8	37	45	126	41	167
1976	68	48	6	122	116	6	8	34	42	125	40	165
1977	65	37	3	105	105	-	6	28	34	111	28	139
1978	71	45	6	122	122	-	6	31	37	128	31	159
1979	85	48	11	144	144	-	11	68	79	155	68	223
1980	91	91	11	193	184	9	14	71	85	198	80	278
1981	102	59	28	189	172	17	11	133	144	183	150	333
1982	68	48	9	125	116	9	17	133	150	133	142	275
1983	96	31	11	138	125	13	18	138	156	143	151	294
1984	84	42	-	126	121	5	72	215	287	193	220	413
1985	85	43	-	128	123	5	72	215	287	195	220	415
1986	114	46	-	160	153	7	79	237	316	232	244	476

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood				Fuelwood				Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
1 000 m <sup>3</sup>												
Nova Scotia												
1970	1 033	2 022	32	3 087	2 876	211	48	109	157	2 904	320	3 224
1971	801	2 263	19	3 083	2 879	204	45	108	153	2 924	312	3 236
1972	953	2 144	16	3 133	2 832	301	40	105	145	2 851	405	3 257
1973	1 025	2 394	16	3 435	3 071	364	51	108	159	3 125	471	3 596
1974	1 021	2 792	14	3 827	3 420	407	42	127	169	3 462	534	3 996
1975	837	2 508	13	3 358	3 075	283	40	141	181	3 115	424	3 539
1976	957	2 265	20	3 242	2 970	272	48	164	212	3 019	436	3 455
1977	940	2 540	8	3 489	3 243	246	45	142	187	3 288	388	3 676
1978	974	2 968	11	3 953	3 675	278	43	161	204	3 178	439	4 157
1979	1 059	3 098	14	4 171	3 802	369	57	161	218	3 859	530	4 389
1980	960	3 310	11	4 281	3 757	524	62	201	263	3 819	725	4 544
1981	897	2 795	17	3 709	3 367	342	42	235	277	3 409	577	3 986
1982	784	1 943	11	2 738	2 557	181	40	223	263	2 597	404	3 001
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 161	460	3 621
1984	993	2 270	-	3 263	2 885	378	46	250	296	2 931	628	3 559
1985	954	2 190	-	3 144	2 915	229	46	250	296	2 961	479	3 440
1986	1 062	2 471	-	3 533	3 199	334	51	275	326	3 250	609	3 859
New Brunswick												
1970	1 871	4 712	33	6 616	5 822	794	15	184	199	5 837	978	6 815
1971	1 778	4 913	24	6 715	5 794	921	19	171	190	5 813	1 091	6 905
1972	1 830	5 167	50	7 047	6 121	926	25	154	179	6 146	1 080	7 225
1973	2 418	6 258	37	8 713	7 181	1 532	20	136	156	7 200	1 668	8 868
1974	1 926	6 626	59	8 611	6 954	1 657	23	147	170	6 977	1 804	8 781
1975	1 755	4 913	45	6 713	5 479	1 234	40	153	193	5 519	1 387	6 906
1976	1 798	5 395	88	7 281	6 083	1 198	48	150	198	6 131	1 348	7 479
1977	1 897	5 550	85	7 532	6 399	1 333	31	139	170	6 430	1 272	7 702
1978	2 265	5 947	93	8 305	7 147	1 158	34	170	204	7 181	1 328	8 509
1979	2 322	6 088	85	8 495	7 277	1 218	34	221	255	7 311	1 439	8 750
1980	2 345	5 714	76	8 135	7 022	1 113	34	218	252	7 056	1 331	8 387
1981	2 282	5 165	82	7 529	6 524	1 005	37	229	266	6 561	1 234	7 795
1982	2 061	3 956	62	6 079	5 233	846	48	193	241	5 281	1 039	6 320
1983	2 360	4 752	65	7 177	6 168	1 009	53	212	265	6 221	1 221	7 442
1984	2 534	5 486	89	8 109	7 164	945	50	219	269	7 214	1 164	8 378
1985	2 344	5 126	89	7 559	6 812	747	50	287	337	6 862	1 034	7 896
1986	2 542	5 745	93	8 380	7 552	828	51	289	340	7 603	1 117	8 720



II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood				Fuelwood				Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
1 000 m <sup>3</sup>												
Manitoba												
1970	314	664	91	1 075	929	146	100	84	184	1 029	230	1 260
1971	405	873	92	1 370	1 233	137	111	74	185	1 344	212	1 556
1972	581	954	115	1 654	1 481	173	108	74	182	1 589	246	1 835
1973	691	886	93	1 675	1 502	173	93	59	152	1 596	232	1 828
1974	510	1 321	105	1 936	1 816	120	91	74	165	1 907	194	2 101
1975	504	1 274	88	1 866	1 753	113	85	71	156	1 838	184	2 022
1976	589	878	105	1 572	1 487	85	85	85	170	1 572	170	1 742
1977	603	948	91	1 642	1 563	79	57	85	142	1 620	164	1 784
1978	640	937	93	1 670	1 563	107	45	88	133	1 608	195	1 803
1979	654	1 085	59	1 798	1 653	145	37	68	105	1 690	213	1 903
1980	688	1 458	82	2 228	2 106	122	25	82	107	2 131	204	2 335
1981	543	1 104	54	1 701	1 608	93	25	77	102	1 633	170	1 803
1982	527	790	57	1 374	1 283	91	28	96	124	1 311	187	1 498
1983	514	840	51	1 405	1 315	90	26	89 <sup>b</sup>	115	1 341	179	1 520
1984	333	1 202	47	1 582	1 486	96	116	- <sup>b</sup>	116	1 602	96	1 698
1985	480	1 065	48	1 593	1 470	123	124	- <sup>b</sup>	124	1 594	123	1 717
1986	604	927	59	1 590	1 476	114	113	- <sup>b</sup>	113	1 589	114	1 703
Saskatchewan												
1970	608	1 253	259	2 120	1 910	210	68	188	256	1 977	398	2 375
1971	597	1 231	212	2 040	1 802	238	65	187	252	1 867	425	2 292
1972	976	1 308	171	2 455	2 144	311	48	136	184	2 194	447	2 641
1973	944	1 356	174	2 474	2 188	286	54	190	244	2 242	477	2 718
1974	710	1 687	170	2 567	2 276	291	51	159	210	2 327	450	2 777
1975	713	1 305	74	2 092	1 790	302	59	162	221	1 849	464	2 313
1976	1 127	1 345	167	2 639	2 342	297	71	156	227	2 413	453	2 866
1977	1 897	722	156	2 775	2 350	425	42	142	184	2 932	567	2 959
1978	1 614	974	119	2 707	2 367	340	46	110	156	2 413	450	2 863
1979	1 778	1 549	127	3 454	3 083	371	77	48	125	3 160	419	3 579
1980	1 520	1 569	122	3 211	2 849	362	79	40	119	2 928	402	3 330
1981	1 662	1 605	161	3 428	2 918	510	85	42	127	3 003	552	3 555
1982	1 382	898	122	2 402	2 102	300	79	45	124	2 181	345	2 526
1983	960	1 396	127	2 483	2 275	208	82	47	129	2 357	255	2 612
1984	1 145	1 323	125	2 593	2 436	157	70	63	133	2 506	220	2 726
1985	1 220	1 056	591	2 867	2 537	330	87	62	150	2 624	392	3 017
1986	1 433	1 193	713	3 339	2 966	373	113	77	190	3 073	450	3 523

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONCLUDED)

Year	Industrial roundwood				Fuelwood				Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
1 000 m <sup>3</sup>												
Alberta												
1970	3 186	690	115	3 991	3 937	52	40	112	152	3 978	166	4 144
1971	3 101	779	99	3 979	3 910	69	42	117	159	3 952	186	3 138
1972	3 639	1 017	147	4 803	4 695	108	31	59	90	4 726	167	4 893
1973	3 956	1 402	134	5 492	5 430	62	31	76	107	5 460	139	5 599
1974	2 560	2 229	176	4 965	4 894	71	34	59	93	4 928	130	5 058
1975	2 944	1 745	144	4 833	4 751	82	51	79	130	4 802	161	4 963
1976	3 341	1 892	272	5 505	5 434	71	51	71	122	5 485	142	5 627
1977	3 893	2 152	212	6 257	6 218	39	59	54	113	6 277	93	6 370
1978	3 817	1 558	249	5 624	5 581	43	45	57	102	5 626	100	5 726
1979	3 945	1 592	606	6 143	6 115	28	37	28	65	6 152	56	6 208
1980	3 925	1 331	609	5 865	5 757	108	45	23	68	5 802	131	5 933
1981	4 647	1 489	399	6 535	6 402	133	28	23	51	6 430	156	6 586
1982	4 257	1 175	147	5 581	5 462	119	79	54	133	5 541	173	5 714
1983	5 666	1 529	23	7 218	7 060	158	75	51	126	7 135	209	7 344
1984	6 557	1 715	86	8 358	7 827	531	57	42	99	7 884	573	8 457
1985	6 786	2 041	53	8 880	7 998	882	62	37	99	8 060	919	8 979
1986	8 556	1 698	44	10 298	9 321	977	54	35	89	9 375	1 012	10 387
British Columbia <sup>a</sup>												
1970	54 409	..	318	54 727	54 399	327	..	..	..	54 399	327	54 726
1971	56 364	..	186	56 550	56 257	293	..	..	..	56 257	293	56 551
1972	56 338	..	114	56 452	56 146	306	..	..	..	56 146	306	56 451
1973	69 998	..	139	70 137	69 560	577	..	..	..	69 560	577	70 137
1974	59 975	..	111	60 086	59 525	561	..	..	..	59 525	561	60 086
1975	49 942	..	136	50 078	49 554	516	..	..	..	49 562	516	50 078
1976	69 424	..	96	69 524	69 313	207	..	..	..	69 314	207	69 521
1977	69 823	..	147	69 970	69 834	136	..	..	..	69 971	136	69 971
1978	74 951	..	213	75 164	75 037	127	..	..	..	75 037	127	75 164
1979	75 892	..	303	76 194	75 968	227	..	..	..	75 968	227	76 195
1980	74 247	..	407	74 654	74 396	258	..	..	..	74 396	258	74 654
1981	60 700	..	80	60 780	60 547	233	..	..	..	60 547	233	60 780
1982	56 178	..	53	56 231	56 010	221	..	..	..	56 010	221	56 231
1983	71 320	..	123	71 443	71 162	281 <sup>b</sup>	..	..	..	71 162	281 <sup>b</sup>	71 443
1984	74 337	..	219	74 556	74 556	.. <sup>b</sup>	..	..	..	74 556	.. <sup>b</sup>	74 556
1985	76 622	..	246	76 868	76 868	.. <sup>b</sup>	..	..	..	76 868	.. <sup>b</sup>	76 868
1986	77 240	..	263	77 503	77 503	..	..	..	..	77 503	.. <sup>b</sup>	77 503

<sup>a</sup>Pulpwood included in logs and bolts and fuelwood included in other roundwood; see also table II - 5 for more details.  
<sup>b</sup>Included with softwoods.

Source: Statistics Canada Cat. No. 25-201.



## II - 3. SHIPMENTS OF ROUNDWOOD BY PROVINCE, 1970-1986

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia <sup>a</sup>	Other provinces	Canada
<b>A. Quantity (1 000 m<sup>3</sup>)</b>							
1970	1 899	7 337	24 640	14 684	43 692	5 782	98 035
1971	1 941	7 429	22 290	13 672	43 661	4 983	93 976
1972	2 089	7 002	22 599	15 704	45 914	5 918	99 226
1973	2 553	9 005	21 868	15 731	53 224	7 128	109 509
1974	2 892	9 124	23 400	16 438	47 253	8 523	107 631
1975	2 236	7 094	21 451	11 583	35 460	7 400	85 224
1976	2 122	8 129	20 044	12 983	48 824	7 187	99 289
1977	2 363	7 717	19 850	14 802	49 112	6 386	100 230
1978	2 525	8 464	19 783	15 877	51 618	7 371	105 638
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 247	102 448
1985	3 953	8 084	16 084	18 533	46 626	7 192	100 472
1986	4 449	8 593	20 002	20 573	41 786	7 778	103 181
<b>B. Value (\$000 000)</b>							
1970	17	73	307	184	475	61	1 118
1971	19	81	280	178	508	54	1 120
1972	21	79	290	205	599	70	1 265
1973	28	113	319	222	873	94	1 648
1974	39	131	394	281	846	132	1 823
1975	36	114	433	243	651	137	1 615
1976	36	143	448	307	995	149	2 078
1977	46	144	480	373	1 089	136	2 269
1978	50	165	511	428	1 281	163	2 597
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 485
1984	90	271	661	693	1 683	236	3 634
1985	97	249	616	714	1 686	232	3 594
1986	107	267	747	796	1 621	246	3 784

<sup>a</sup>For additional information on shipments of roundwood in British Columbia, see Section X.C.

Source: Statistics Canada Cat. No. 25-201.



# II - 4. SHIPMENTS<sup>a</sup> OF ROUNDWOOD BY CATEGORY AND SPECIES GROUP, 1970-1986

Year	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips
	Softwoods	Hardwoods	Softwoods	Hardwoods			
A. Quantity	1 000 m <sup>3</sup>						1 000 t
1970	51 206	1 771	40 643	4 124	291	98 035	69
1971	52 059	1 692	36 050	3 895	281	93 976	22
1972	55 704	1 849	37 809	3 563	302	99 226	51
1973	63 706	1 896	39 003	4 607	297	109 509	37
1974	57 103	2 358	42 417	5 348	405	107 631	90
1975	45 137	1 414	36 053	2 198	422	85 224	124
1976	59 702	1 515	34 525	3 167	379	99 289	275
1977	62 105	1 717	32 432	3 635	341	100 230	318
1978	65 640	1 573	34 686	3 457	283	105 638	133
1979	66 675	1 691	36 303	3 780	532	108 980	134
1980	68 508	1 598	33 705	3 383	532	107 727	182
1981	60 495	1 401	37 359	4 286	512	104 053	217
1982	48 729	1 332	32 717	3 492	117 <sup>b</sup>	86 387	482
1983	62 891	1 402	29 906	4 435	71 <sup>b</sup>	98 704	643
1984	60 655 <sup>r</sup>	2 271	33 155 <sup>r</sup>	6 284	84 <sup>b</sup>	102 449	516
1985	58 447	1 843	35 276	4 747	159 <sup>b</sup>	100 472 <sup>c</sup>	871
1986	60 107	1 803	35 743	5 368	160 <sup>b</sup>	103 181 <sup>c</sup>	1 138
B. Value (\$000 000)							
1970	542	23	501	42	10	1 118	2
1971	588	23	458	41	10	1 120	--
1972	700	27	491	37	10	1 265	1
1973	998	31	555	56	8	1 648	1
1974	978	42	719	72	12	1 823	3
1975	795	31	737	38	14	1 615	4
1976	1 182	34	789	58	14	2 078	14
1977	1 332	41	811	72	13	2 269	19
1978	1 577	42	891	74	14	2 597	7
1979	2 024	48	986	91	26	3 175	7
1980	2 179	50	991	84	25	3 329	11
1981	1 888	45	1 204	123	20	3 280	11
1982	1 645	41	1 100	110	6	2 902	20
1983	2 185	50	1 095	144	6	3 481	32
1984	2 142 <sup>r</sup>	70	1 220 <sup>r</sup>	194	7	3 634	28
1985	2 092	67	1 277	146	12	3 594 <sup>c</sup>	46
1986	2 231	64	1 313	164	12	3 784 <sup>c</sup>	56

<sup>a</sup>For additional information on the discrepancies between production and shipments figures, see Section X.C.

<sup>b</sup>Other roundwood includes only poles and piling since 1982.

<sup>c</sup>Excluding \$4 million of other roundwood in 1985 and \$7 million in 1986.

Source: Statistics Canada Cat. No. 25-201.

11 - 5. REPORTED ROUNDWOOD PRODUCTION ON FEDERAL LANDS BY AGENCY AND CATEGORY, 1987-1988

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Agency/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
							1 000 m <sup>3</sup>						
<b>A. Yukon and N.W.T.</b>	---	---	---	---	---	---	---	---	---	---	243.8	67.2	311.0
Logs and bolts	---	---	---	---	---	---	---	---	---	---	172.7	41.2	213.9
Pulpwood	---	---	---	---	---	---	---	---	---	---	67.1	25.6	92.7
Fuelwood	---	---	---	---	---	---	---	---	---	---	4.0	0.4	4.4
Other roundwood	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>B. Indian reserves</b>	-	0.2	0.5	27.0	135.9	124.0	10.1	27.5	-	371.1	-	-	696.2
Logs and bolts	-	-	-	0.2	109.8	61.1	0.5	3.4	-	344.2	-	-	519.2
Pulpwood	-	-	0.5	26.8	24.9	27.7	-	2.0	-	21.9	-	-	103.7
Fuelwood	-	0.2	-	-	1.2	35.2	9.6	21.9	-	-	-	-	68.1
Other roundwood	-	-	-	-	-	-	0.1	0.1	-	5.0	-	-	5.2
<b>C. National defence</b>	-	-	-	86.2	1.9	80.7	-	-	-	31.9	-	-	200.8
Logs and bolts	-	-	-	14.7	1.6	58.9	-	-	-	31.9	-	-	107.0
Pulpwood	-	-	-	44.8	0.2	14.3	-	-	-	0.1	-	-	59.4
Fuelwood	-	-	-	10.7	0.1	7.5	-	-	-	-	-	-	18.3
Other roundwood	-	-	-	16.1	0.1	-	-	-	-	-	-	-	16.1
<b>D. Forestry Canada</b>	-	-	-	10.2	-	7.0	-	-	-	-	-	-	17.2
Logs and bolts	-	-	-	3.7	-	4.6	-	-	-	-	-	-	8.3
Pulpwood	-	-	-	3.5	-	1.1	-	-	-	-	-	-	4.5
Fuelwood	-	-	-	3.1	-	0.9	-	-	-	-	-	-	4.0
Other roundwood	-	-	-	-	-	0.4	-	-	-	-	-	-	0.4
<b>E. Other</b>	-	-	-	-	-	0.8	2.2	-	150.1	12.4	-	-	165.6
Logs and bolts	-	-	-	-	-	0.1	0.3	-	150.1	12.4	-	-	162.9
Pulpwood	-	-	-	-	-	0.3	1.9	-	-	-	-	-	2.2
Fuelwood	-	-	-	-	-	0.4	-	-	-	-	-	-	0.4
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>F. Total</b>	-	0.2	0.5	123.4	137.8	212.5	12.4	27.5	150.1	415.4	243.8	67.2	1 390.8
Logs and bolts	-	-	-	18.5	111.4	124.7	0.8	3.4	150.1	388.5	172.7	41.2	1 011.4
Pulpwood	-	-	0.5	75.0	25.1	43.4	1.9	2.0	-	21.9	-	-	169.9
Fuelwood	-	0.2	-	13.8	1.3	44.0	9.6	21.9	-	-	67.1	25.6	183.6
Other roundwood	-	-	-	16.1	0.1	0.4	0.1	0.1	-	5.0	4.0	0.4	26.1

Source: Special compilation, Forestry Canada.

II - 6. PULPWOOD PRODUCTION FOR DOMESTIC CONSUMPTION AND  
RECEIPTS OF WOOD RESIDUES BY DOMESTIC MILLS, 1970-1988

Pulpwood production for domestic consumption					Receipts of wood residues by domestic mills					
Year	Limit production <sup>a</sup>	Receipts		Imports of pulpwood (minus)	Pulpwood production for domestic consumption	Wood chips	Veneer cores, slabs and edgings, sawdust, shavings, etc.	Total wood residues		
		at mill of purchased pulpwood (except B.C.)	of pulpwood by mills in B.C. <sup>b</sup>							
1 000 m <sup>3</sup>										
1970	26 469	14 266	9 442	50 117	222	49 955	16 984	960	17 944	67 898
1971	22 590	12 714	9 554	44 858	262	44 596	19 232	1 249	20 480	65 077
1972	24 092	11 935	9 128	45 155	389	44 766	21 495	1 875	23 370	68 136
1973	30 933	12 102	9 332	52 367	304	52 063	24 636	2 911	27 547	79 610
1974	35 479	14 684	9 843	60 005	626	59 379	28 407	2 569	30 976	90 355
1975	29 137	11 292	6 634	47 063	492	46 571	21 608	1 882	23 490	70 061
1976	24 157	11 415	7 673	43 245	503	42 742	31 467	2 552	34 019	76 761
1977	27 201	11 107	6 489	44 797	613	44 184	31 180	2 410	33 590	77 774
1978	27 930	12 092	6 037	46 059	618	45 441	33 489	2 766	36 255	81 696
1979	31 012	12 691	5 854	49 557	824	48 732	36 352	2 923	39 275	88 007
1980	28 758	15 229	6 478	50 466	614	49 852	37 206	2 768	39 974	89 826
1981	29 784	16 811	6 620	53 215	527	52 688	35 357	2 762	38 119	90 807
1982	21 906	13 875	6 087	41 867	529	41 338	30 703	2 643	33 346	74 684
1983	23 397	14 263	6 058	43 718	560	43 158	36 251	3 476	39 727	82 885
1984	26 002	16 441	5 756	48 199	609	47 591	36 964	4 157	41 121	88 712
1985	24 449	15 417	5 278	45 145	526	44 619	41 026	4 154	45 180	90 325
1986	23 966	16 276	5 569	45 812	329	45 483	42 261	4 403	46 664	92 147
1987	..	..	..	45 539	..	..	51 443	4 988	56 431	..
1988	..	..	..	46 805	..	..	51 519	4 753	56 272	..

<sup>a</sup> Limit production means the volume produced from an owner's freehold lands or leased lands.  
<sup>b</sup> Data on production of pulpwood as such are not available for British Columbia. The figures shown represent receipts of pulpwood.

Source: Statistics Canada Cat. No. 25-001.

## II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1988

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
								1 000 m <sup>3</sup>					
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
	Total	107	27	664	705	2 665	1 935	138	156	781	8 280	8	15 465
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
	Total	68	20	548	656	2 633	1 484	82	159	726	12 518	14	18 907
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
	Total	81	28	476	660	3 785	2 002	122	248	1 100	18 067	17	26 588
1972	Softwoods	73	27	431	660	4 368	1 780	187	394	1 373	22 423	7	31 724
	Hardwoods	1	--	12	76	607	499	50	-	22	9	1	1 276
	Total	75	27	442	736	4 975	2 279	237	394	1 395	22 431	8	33 000
1973	Softwoods	117	34	459	604	4 859	2 116	155	383	1 863	24 581	7	35 179
	Hardwoods	2	-	12	98	703	555	30	11	38	15	-	1 465
	Total	119	34	471	702	5 563	2 671	185	394	1 901	24 597	7	36 644
1974	Softwoods	85	21	453	639	4 575	2 241	245	285	1 517	20 613	6	30 680
	Hardwoods	2	7	15	77	701	590	29	4	4	15	-	1 444
	Total	87	28	468	716	5 276	2 831	274	289	1 521	20 628	6	32 124
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993
	Total	70	28	387	680	4 787	2 313	193	264	1 003	17 569	10	27 305
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
	Total	102	28	443	769	5 731	2 773	228	460	1 201	25 075	11	36 822
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
	Total	113	28	435	756	6 493	3 191	233	514	1 477	28 378	14	41 633
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
	Total	113	38	448	935	7 572	3 828	250	488	1 631	29 570	14	44 887

11 - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1988 (CONCLUDED)

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
1 000 m <sup>3</sup>													
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
	Total	118	40	492	1 059	8 119	4 150	270	444	1 622	30 357	28	46 700
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
	Total	101	38	444	1 224	8 059	4 468	284	415	1 716	28 207	40	44 995
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
	Total	79	42	403	924	7 384	4 181	222	452	1 945	24 547	32	40 217
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
	Total	70	28	361	708	6 517	3 864	252	458	1 767	23 406	22	37 452
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
	Total	88	38	423	1 190	8 841	4 117	212	457	2 524	30 778	-	48 666
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 708
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
	Total	89	38	460	1 066	8 852	4 559	138	520	2 405	30 862	-	48 989
1985	Softwoods	35	11	378	1 244	9 482	4 502	163	482	2 687	32 116	-	51 099
	Hardwoods	12	-	49	60	438	445	4	-	-	3	-	1 010
	Total	47	11	426	1 304	9 920	4 946	167	482	2 687	32 119	-	52 109
1986	Softwoods	37	14	436	1 428	10 757	4 583	215	457	2 944	30 990	-	51 860
	Hardwoods	15	-	30	49	551	539	8	-	-	6	-	1 199
	Total	52	14	466	1 477	11 309	5 121	223	457	2 944	30 996	-	53 059
1987 <sup>a</sup>	Softwoods	x	x	533	1 680	12 035	5 066	275	452	3 516	37 488	-	61 045
	Hardwoods	x	x	6	61	367	427	16	-	72	4	-	953
	Total	x	x	539	1 741	12 401	5 493	292	452	3 587	37 492	-	61 998
1988 <sup>a</sup>	Softwoods	x	x	624	1 669	11 179	5 021	219	429	3 737	36 747	-	59 623
	Hardwoods	x	x	7	70	382	430	16	-	76	4	-	986
	Total	x	x	631	1 739	11 561	5 451	235	429	3 813	36 750	-	60 610

<sup>a</sup>1950-1986 data from the annual census of manufactures, 1987-1988 data from the monthly survey.

Source: Statistics Canada Cat. No. 35-204, 35-250, 35-003, and 35-002.

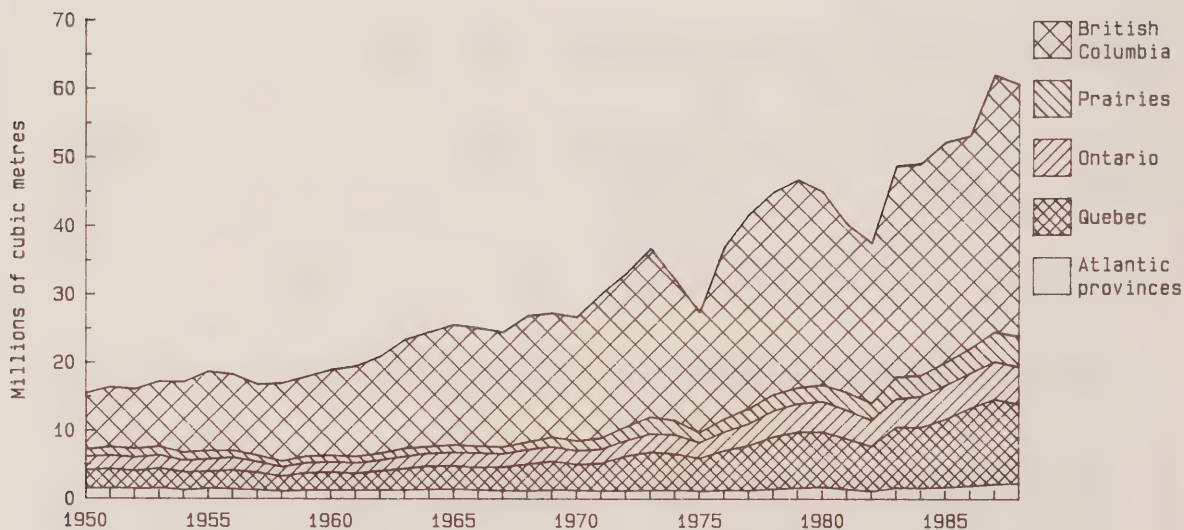
## LUMBER



**Figure 8.** Lumber production in Canada, 1950-1988.

Source: Statistics Canada, Cat. No. 35-204,  
35-250, 35-002 and 35-003.

## LUMBER



**Figure 9.** Lumber production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 35-204,  
35-250, 35-002 and 35-003.



Year	Maple	Yellow birch	White birch	Poplar, aspen, cottonwood	Elm	Basswood	Beech	Ash	Oak	Other <sup>b</sup>	Total hardwoods	Total softwoods and hardwoods
<b>A. Quantity (1 000 m<sup>3</sup>)</b>												
1970	391	270	33	27	41	37	12	7	12	229	1 059	25 857
1971	403	283	23	46	33	33	-	9	14	210	1 021	29 810
1972	508	305	29	86	40	37	24	-	17	151	1 197	33 167
1973	519	315	45	148	32	47	31	12	21	189	1 359	34 691
1974	505	246	20	108	29	37	39	15	21	111	1 131	30 999
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	9	25	14	10	18	111	779	39 014
1978	343	231	19	48	7	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	6	28	19	13	40	127	833	42 948
1981	307	159	21	54	6	30	13	9	37	106	742	40 348
1982	199	97	18	87	2	23	12	7	40	50	535	39 180
1983	211	149	24	162	1	21	13	6	39	43	668	35 098
1984	228	138	36	148	1	19	13	6	52	83	724	44 772
1985	422e	155	44e	227	x	..	23e	26e	115e	51	1 099 <sup>c</sup>	46 802
1986	301	253	93	237	x	63	31	28	170	x	1 240e	52 452e
												52 692e
<b>B. Value (\$000 000)</b>												
1970	23	15	1	1	2	2	-	-	1	11	56	925
1971	26	16	1	1	2	2	-	1	1	7	57	1 159
1972	39	22	2	3	3	2	1	-	1	8	81	1 632
1973	43	26	3	7	2	3	2	1	2	11	100	2 227
1974	43	22	1	5	2	3	3	1	2	9	92	1 878
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	1	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 005
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 104
1983	32	25	3	14	--	3	2	1	8	5	94	4 598
1984	36	24	5	17	--	3	2	1	10	16	115	4 736
1985	73e	28	7	28	x	6e	4	5	36e	10	197 <sup>d</sup>	5 484e
1986	53	45	13	29	x	9	5	6	51	x	223e	6 019e

<sup>a</sup>As reported by sawmills and planing mills.<sup>b</sup>Including red alder in some cases.<sup>c</sup>Including elm and basswood (or approximately 36 000 m<sup>3</sup>).<sup>d</sup>Including elm (or approximately \$1 000 000).

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 9. SHIPMENTS OF SOFTWOOD LUMBER<sup>a</sup> BY SPECIES GROUP, 1970-1986

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Year	Spruce	Hemlock	Douglas-fir	Cedar	Jack and lodgepole pines	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	Total softwoods	Total softwoods and hardwoods
<b>A. Quantity (1 000 m<sup>3</sup>)</b>												
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	24 799	25 857
1971	12 978	5 468	4 092	2 318	2 185	568	53	517	19	591	28 789	29 810
1972	15 758	5 551	4 034	2 331	2 571	624	68	562	55	416	31 970	33 167
1973	16 518	6 072	3 707	2 376	3 028	620	83	416	94	417	33 331	34 691
1974	15 520	5 135	3 107	2 131	2 761	553	124	315	76	147	29 869	30 999
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	25 113	25 917
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	32 885	33 693
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	38 235	39 014
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	41 137	41 980
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	42 009	42 948
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	39 515	40 348
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	38 438	39 180
1982	19 739	4 402	2 237	2 470	3 916	535	283	772	140	67	34 563	35 098
1983	26 377	5 360	2 696	2 976	3 976	631	79	973	181	345	44 104	44 772
1984	31 058	5 370	2 807	3 078	4 485	649	149	560	166	56	46 078	46 802
1985	35 753	5 587	2 753	3 333 <sup>b</sup>	2 073	823e	164e	650	217	..	51 353	52 452e
1986	36 114	5 511	2 408	2 960	2 398	729	240	762	247	83e	51 452e	52 692e
<b>B. Value (\$000 000)</b>												
1970	333	168	146	92	54	26	4	17	3	27	870	925
1971	463	206	173	110	77	30	3	19	2	19	1 102	1 159
1972	735	259	205	142	120	38	4	26	-	22	1 551	1 632
1973	985	402	247	207	168	49	6	27	15	21	2 127	2 227
1974	823	335	203	191	134	48	8	20	15	8	1 785	1 878
1975	694	216	150	158	115	36	5	16	9	9	1 408	1 473
1976	1 007	385	219	272	162	45	9	13	13	9	2 134	2 203
1977	1 381	552	263	332	243	54	7	23	18	16	2 889	2 960
1978	1 810	663	319	436	394	81	10	30	24	9	3 776	3 863
1979	2 123	777	437	542	468	93	11	55	32	12	4 667	4 767
1980	1 831	742	322	420	383	83	11	58	28	16	3 894	4 005
1981	1 749	532	264	412	359	84	15	67	31	8	3 521	3 623
1982	1 475	478	207	388	281	77	26	71	25	6	3 034	3 106
1983	2 360	628	270	577	401	96	11	89	38	34	4 504	4 598
1984	2 735	589	286	588	199	109	20	55	34	5	4 620	4 736
1985	3 228	655	306	616	196	141	23e	62	50	..	5 287e	5 387e
1986	3 550	752	285	605	249	126	35	74	87	33	5 796	6 019e

<sup>a</sup>As reported by sawmills and planing mills.

<sup>b</sup>Including shingles and shakes.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 10. SHIPMENTS OF SOFTWOOD LUMBER<sup>a</sup> BY PROVINCE, 1970-1984

Year	Mfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>A. Quantity (1 000 m<sup>3</sup>)</b>											
1970	46 <sup>a</sup>	4	398	594	3 089	1 244	61 <sup>a</sup>	222 <sup>a</sup>	1 149 <sup>a</sup>	18 009	24 799
1971	36 <sup>a</sup>	3	384	652	3 852	1 445	116 <sup>a</sup>	309 <sup>a</sup>	1 290 <sup>a</sup>	20 693	28 789
1972	55 <sup>a</sup>	3	384	718	4 563	1 558	153 <sup>a</sup>	387 <sup>a</sup>	1 444 <sup>a</sup>	22 770	31 970
1973	45 <sup>a</sup>	2	368	628	4 936	1 836	148	456 <sup>a</sup>	1 455 <sup>a</sup>	23 514	33 331
1974	x	-	304	593	4 516	1 794	227 <sup>a</sup>	321 <sup>a</sup>	1 199 <sup>a</sup>	20 920	29 869
1975	17	-	289	592	4 333	1 502	146 <sup>a</sup>	354 <sup>a</sup>	1 017 <sup>a</sup>	16 874	25 113
1976	9	-	281	686	5 111	1 665	155 <sup>a</sup>	347 <sup>a</sup>	1 207 <sup>a</sup>	23 437	32 885
1977	5	-	300	683	6 208	2 062	175 <sup>a</sup>	469 <sup>a</sup>	1 435 <sup>a</sup>	26 920 <sup>a</sup>	38 235
1978	x	-	334	825	7 088	2 464	191 <sup>a</sup>	472 <sup>a</sup>	1 466 <sup>a</sup>	28 301 <sup>a</sup>	41 137
1979	21	x	323	978	7 315	2 869	210	450 <sup>a</sup>	1 547 <sup>a</sup>	28 283 <sup>a</sup>	42 009
1980	12	x	260	928	7 013	2 833	198	344 <sup>a</sup>	1 519	26 399 <sup>a</sup>	39 515
1981	-	x	253	888	6 947	3 058	215 <sup>a</sup>	423 <sup>a</sup>	1 783	24 867 <sup>a</sup>	38 438
1982	x	x	229	584	5 956	2 584	164 <sup>a</sup>	387 <sup>a</sup>	1 701	22 954 <sup>a</sup>	34 563
1983	x	x	258	887	7 705	3 141	153 <sup>a</sup>	442	2 348	29 167	44 104
1984	x	x	273	968	8 117	3 553	135 <sup>a</sup>	481	2 683	29 859	46 078
<b>B. Value (\$000 000)</b>											
1970	2 <sup>a</sup>	--	16	23	107	48	2 <sup>a</sup>	7 <sup>a</sup>	34 <sup>a</sup>	632	870
1971	2 <sup>a</sup>	--	16	27	138	59	4 <sup>a</sup>	12 <sup>a</sup>	43 <sup>a</sup>	801	1 102
1972	2 <sup>a</sup>	--	19	35	209	80	7 <sup>a</sup>	19 <sup>a</sup>	66 <sup>a</sup>	1 115	1 551
1973	3 <sup>a</sup>	--	24	44	276	121	9	24 <sup>a</sup>	84 <sup>a</sup>	1 545	2 127
1974	x	-	22	41	250	111	12	15 <sup>a</sup>	57 <sup>a</sup>	1 277	1 785
1975	1	-	22	39	232	91	10 <sup>a</sup>	17 <sup>a</sup>	49 <sup>a</sup>	949	1 408
1976	1	-	23	46	302	110	10 <sup>a</sup>	19 <sup>a</sup>	68 <sup>a</sup>	1 556	2 134
1977	1	-	26	49	397	155	12 <sup>a</sup>	33 <sup>a</sup>	95 <sup>a</sup>	2 121 <sup>a</sup>	2 889
1978	x	-	32	69	543	232	16 <sup>a</sup>	39 <sup>a</sup>	121 <sup>a</sup>	2 724 <sup>a</sup>	3 776
1979	2	x	36	93	645	287	22	39 <sup>a</sup>	136 <sup>a</sup>	3 289 <sup>a</sup>	4 551
1980	1	x	32	92	589	263	17	26 <sup>a</sup>	112	2 762 <sup>a</sup>	3 894
1981	-	x	31	84	571	289	18 <sup>a</sup>	32 <sup>a</sup>	131	2 364 <sup>a</sup>	3 521
1982	x	x	27	53	470	240	14 <sup>a</sup>	27 <sup>a</sup>	113	2 089 <sup>a</sup>	3 034
1983	x	x	34	88	702	329	16 <sup>a</sup>	40	201	3 092	4 504
1984	x	x	39	95	778	373	15 <sup>a</sup>	42	221	3 057	4 620

<sup>a</sup>Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Source: Statistics Canada Cat. No. 35-204.

**II - 11. SHIPMENTS OF LUMBER FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION,<sup>a</sup> 1982-1988**

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
1 000 m <sup>3</sup>						
A. Canada						
1982	3 228	1 541	1 011	6 645	847	13 272
1983	4 277	1 977	955	8 103	1 052	16 364
1984	4 726	1 994	2 731	8 837	1 048	19 336
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
1987	6 122	3 015	2 289	11 192	1 359	23 977
1988	5 525	x	2 933	10 388	4 506 <sup>b</sup>	23 352
B. United States						
1982	2 123	x	763	12 149	1 677 <sup>b</sup>	16 712
1983	2 720	x	1 034	16 781	2 108 <sup>b</sup>	22 643
1984	3 008	1 852	22	17 381	639	22 902
1985	3 149	x	257	18 486	2 795 <sup>b</sup>	24 687
1986	3 225	x	171	17 370	2 685 <sup>b</sup>	23 451
1987	x	x	1 298	19 979	5 178 <sup>c</sup>	26 455
1988	2 910	x	880	19 112	1 868 <sup>b</sup>	24 770
C. Other countries						
1982	417	x	-	4 377	231 <sup>b</sup>	5 025
1983	345	x	-	4 354	139 <sup>b</sup>	4 838
1984	338	22	-	4 040	161	4 561
1985	116	x	-	3 810	78 <sup>b</sup>	4 004
1986	176	x	-	3 822	155 <sup>b</sup>	4 153
1987	x	x	-	5 739	442 <sup>c</sup>	6 181
1988	x	x	-	6 142	712 <sup>c</sup>	6 854
D. Estimated shipments and adjustments <sup>d</sup>						
1982	1 052	1 064	-	1 152	258	3 526
1983	1 168	739	-	970	407	3 284
1984	745	1 044	-	607	491	2 887
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
1987	2 268	960	-	679	595	4 502
1988	2 511	912	-	979	869	5 271
E. Total shipments <sup>e</sup>						
1982	6 821	3 945 <sup>b</sup>	1 774	24 323	1 672	38 535
1983	8 510	4 303 <sup>b</sup>	1 989	30 208	2 119	47 129
1984	8 817	4 913	2 753	30 864	2 339	49 686
1985	10 603	5 417	2 882	33 221	2 669	54 792
1986	11 207	6 012	3 189	31 467	2 914	54 789
1987	11 719	5 856	3 587	37 592	3 026	61 780
1988	10 861	5 906	3 812	36 623	3 031	60 233

<sup>a</sup> Census of manufactures monthly survey.

<sup>b</sup> Including confidential figures for Ontario.

<sup>c</sup> Including confidential figures for Ontario and Quebec.

<sup>d</sup> Sawmills in Nova Scotia producing less than 2 360 m<sup>3</sup>, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m<sup>3</sup> per year, and sawmills in British Columbia producing less than 7 080 m<sup>3</sup> per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.

<sup>e</sup> Benchmark revisions as of May 1989 for the years 1985-1988.

# 11 - 12. WOOD PULP PRODUCTION BY CATEGORY, 1950-1988<sup>a</sup>

Year	Chemical												Mechanical		Screenings chemical and mechanical	Pulp other than wood pulp	Total	
	Dissolving and special alpha, sulphite, and sulphate				Sulphate				Semi-chemical	Groundwood		Defibrated and exploded						
	sulphite		Bleached		Semibleached		Unbleached											
	Bleached	Unbleached	Bleached	Unbleached	Bleached	Unbleached	Bleached	Unbleached										
1 000 t																		
1950	305	386	1 315	408	.. <sup>b</sup>	548	..	4 455	..	..	..	96	174	7 688				
1960	356	519	1 559	1 062	257	895	..	5 335	143	..	..	66	205	10 398				
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	296	296	64	-	16 610				
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	301	301	65	-	16 543				
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	337	337	55	-	17 453				
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	349	349	55	-	18 564				
1974	333	734	1 865	5 409	1 097	1 942	328	7 589	320	328	328	62	-	19 679				
1975	226	516	1 443	4 219	863	1 314	233	6 007	263	233	233	28	-	15 113				
1976	222	609	1 648	5 265	1 037	1 560	269	7 036	259	269	269	41	-	17 946				
1977	230	636	1 621	5 300	1 039	1 574	263	7 226	243	263	263	34	-	18 168				
1978	341	516	1 787	5 871	1 054	1 942	318	7 910	369	318	318	44	-	20 152				
1979	311	478	1 806	6 282	1 038	2 061	354	7 956	397	354	354	45	-	20 728				
1980	313	405	1 763	6 754	1 182	1 689	333	7 521	..	333	333	25	-	19 985				
1981	274	430	1 819	6 261	1 057	1 497	322	7 647	..	322	322	19	-	19 326				
1982	220	280	1 446	5 915	916	1 235	255	6 879	..	255	255	18	-	17 164				
1983	216	304	1 353	6 743	1 019	1 486	306	7 934	..	306	306	15	-	19 376				
1984	221	366	1 405	6 782	1 065	1 469	331	8 690	..	331	331	17	-	20 346				
1985	222	329	1 269	7 047	1 170	1 383	258	8 722	..	258	258	17	-	20 417				
1986	223	428	1 248	7 623	1 188	1 410	321	9 252	..	321	321	19	-	21 712				
241	1987	454	1 296	8 211	1 169	1 474	353	9 820	..	353	353	17	-	23 035				
..	1988 <sup>c</sup>	..	..	..	..	..	..	..	..	..	..	..	..	23 367				

<sup>a</sup>Figures for the period 1980-1987 were revised in 1988.

<sup>b</sup>Included with sulphate-bleached wood pulp.

<sup>c</sup>Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.

## II - 13. WOOD PULP PRODUCTION BY REGION, 1950-1988

Year	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 t					
1950	3 559	2 085	705	1 339	7 688
1960	4 055	2 692	1 927	1 725	10 398
1970	5 898	3 601	4 100	3 011	16 610
1971	5 666	3 447	4 409	3 020	16 543
1972	5 893	3 572	4 576	3 412	17 453
1973	5 591	3 669	5 337	3 966	18 564
1974	6 353	3 877	5 267	4 182	19 679
1975	5 198	2 540	3 998	3 376	15 113
1976	5 882	3 060	5 320	3 685	17 946
1977	5 860	3 662	4 831	3 815	18 168
1978	6 632	4 127	5 426	3 968	20 152
1979	6 869	4 322	5 523	4 014	20 728
1980	6 109	4 101	5 727	4 048	19 985
1981	6 458	4 095	4 830	3 943	19 326
1982	5 759	3 453	4 814	3 138	17 164
1983	6 277	3 862	5 699	3 538	19 376
1984	6 538	4 243	5 367	4 198	20 346
1985	6 331	4 097	6 024	3 965	20 417
1986	6 854	4 258	6 345	4 255	21 712
1987	7 208	4 372	7 035	4 420	23 035
1988 <sup>a</sup>	7 491	4 447	7 001	4 428	23 367

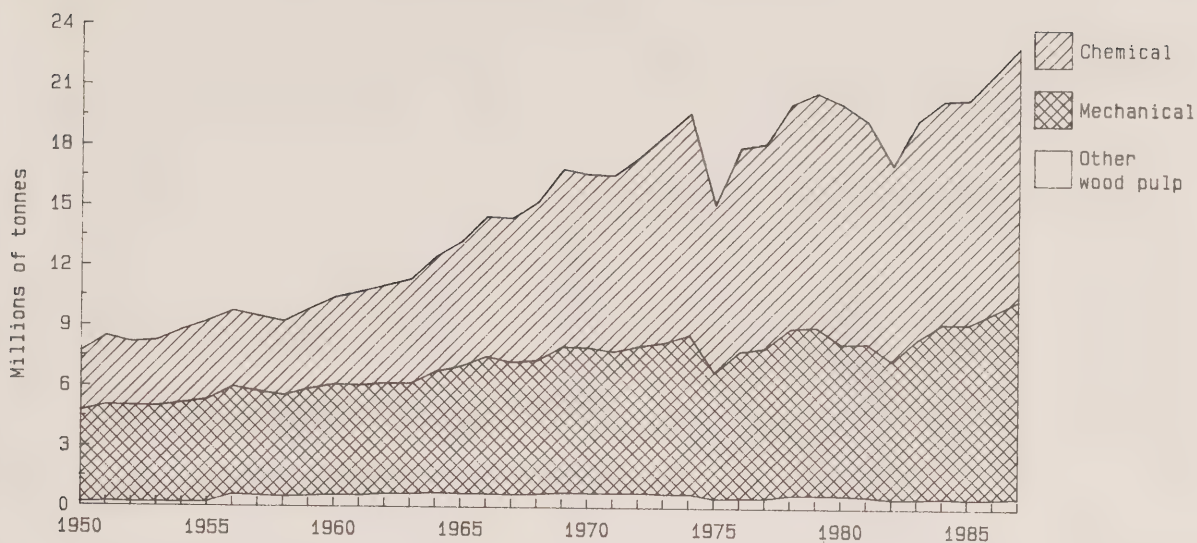
<sup>a</sup> Canadian Pulp and Paper Association, monthly survey.

Note: Approximately 76% of the wood pulp is used in production of paper and board in Canada.

Source: Statistics Canada Cat. No. 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.



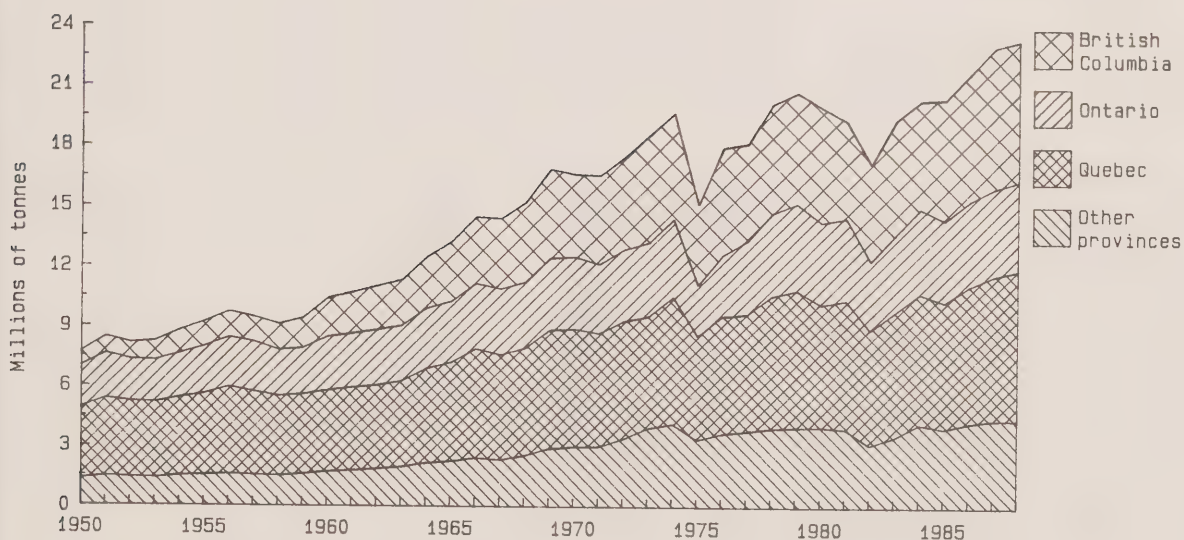
## WOOD PULP



**Figure 10.** Wood pulp production in Canada, 1950-1987.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

## WOOD PULP



**Figure 11.** Wood pulp production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

## II - 14. SHIPMENTS OF WOOD PULP BY CATEGORY, 1960-1988

Year	Dissolving and special alpha	Chemical					Mechanical	Total
		Sulphite		Sulphate				
		Bleached	Unbleached	Bleached	Semibleached	Unbleached		
A. Quantity (1 000 t)								
1960	347	416	226	996	151	347	314	2 798
1970	394	555	238	3 437	706	413	304	6 046
1971	394	460	173	3 418	428	707	243	5 823
1972	369	460	163	4 248	716	481	260	6 698
1973	296	460	208	4 760	696	494	287	7 200
1974	330	679	206	5 013	685	401	288	7 603
1975	210	462	105	3 853	467	329	224	5 650
1976	214	559	132	4 757	552	288	266	6 769
1977	228	596	107	4 879	663	305	288	7 066
1978	324	492	120	5 764	704	293	323	8 021
1979	324	441	133	5 890	645	292	364	8 089
1980	272	400	133	6 132	671	233	325	8 165
1981	266	406	115	5 874	604	245	327	7 836
1982	220	370	82	5 403	513	186	280	7 012
1983	x	353	x <sup>a</sup>	6 377	591	198	477	8 299 <sup>b</sup>
1984	x	331	x <sup>a</sup>	6 397	540	165	653	8 281 <sup>b</sup>
1985	x	422	x <sup>a</sup>	6 785	630	x	583	8 696 <sup>b</sup>
1986	x	475	x <sup>a</sup>	7 462	619	x	682	9 510 <sup>b</sup>
1987	..	..	..	..	..	..	..	10 027 <sup>b</sup>
1988 <sup>c</sup>	..	..	..	..	..	..	..	9 862
B. Value (\$000 000)								
1960	59	61	27	145	17	33	26	369
1970	77	86	32	544	102	52	21	913
1971	77	72	24	532	53	105	16	878
1972	73	69	21	636	102	58	18	976
1973	62	90	38	878	128	82	24	1 301
1974	110	212	64	1 463	198	108	51	2 205
1975	87	161	31	1 392	168	101	43	1 983
1976	85	181	35	1 625	196	85	48	2 255
1977	95	190	29	1 595	231	81	50	2 271
1978	137	154	33	1 785	218	78	57	2 462
1979	158	182	47	2 445	268	103	85	3 288
1980	166	201	56	3 176	349	103	89	4 141
1981	170	206	50	3 057	319	117	86	4 005
1982	144	143	33	2 651	253	86	74	3 384
1983	x	164	x <sup>a</sup>	2 775	254	72	128	3 519
1984	x	156	x <sup>a</sup>	3 410	289	79	201	4 309
1985	x	198	x <sup>a</sup>	3 090	279	x	184	3 964
1986	x	255	x <sup>a</sup>	3 747	318	x	237	4 786

<sup>a</sup>Unbleached included with bleached.<sup>b</sup>Canadian Pulp and Paper Association.<sup>c</sup>Canadian Pulp and Paper Association monthly survey.Source: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

**II - 15. SHIPMENTS OF WOOD PULP FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION, 1980-1988**

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
	1 000 t				
<b>A. Canada</b>					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
1987	641	459	273	401	1 773
1988	602	430	302	371	1 705
<b>B. United States</b>					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	672	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
1987	427	1 006	896	1 253	3 582
1988	427	1 049	947	1 264	3 686
<b>C. Other countries</b>					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
1987	309	161	3 272	739	4 481
1988	334	155	3 251	732	4 471
<b>D. Total shipments</b>					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311
1987	1 376	1 626	4 441	2 394	9 837
1988	1 363	1 634	4 499	2 366	9 862

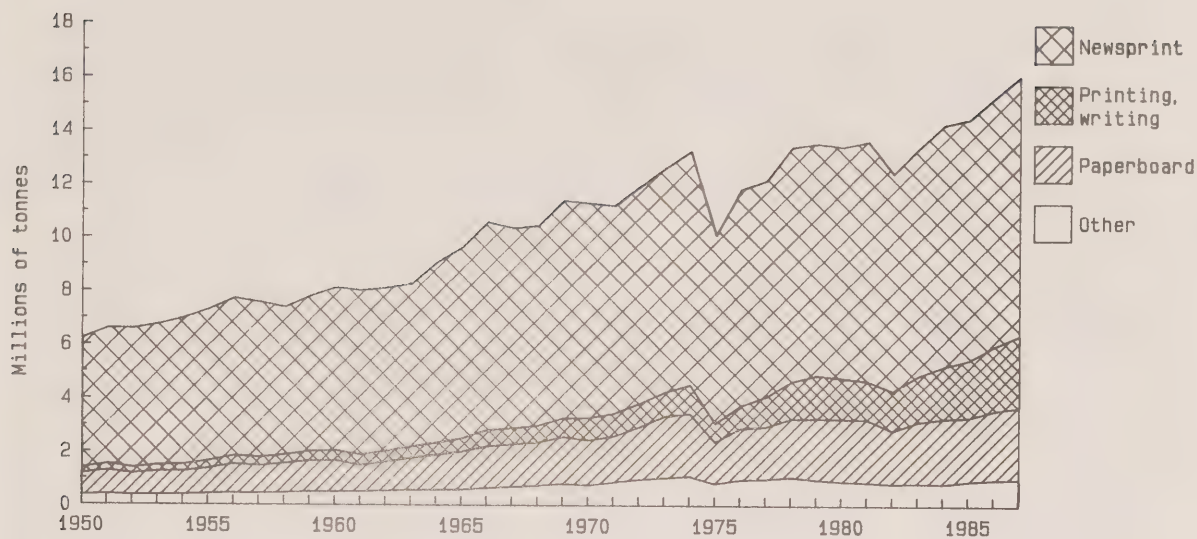
Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

## II - 16. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY, 1950-1988

Year	Newsprint	Book and writing	Sanitary	Tissue other than sanitary	Wrapping	Building paper	Paper- board	Total
				1 000 t				
1950	4 825	194	59	11	202	83	796	6 180
1960	6 068	366	113	22	292	75	1 159	8 095
1970	7 996	821	199	19	438	101	1 678	11 252
1971	7 733	844	244	18	490	133	1 698	11 161
1972	8 079	881	262	21	542	156	1 941	11 882
1973	8 357	892	271	22	610	149	2 282	12 583
1974	8 710	1 056	302	25	643	143	2 338	13 219
1975	7 010	679	241	17	431	146	1 542	10 066
1976	8 063	842	288	16	526	149	1 908	11 791
1977	8 066	1 116	292	19	556	143	1 944	12 136
1978	8 739	1 377	314	17	628	129	2 171	13 376
1979	8 642	1 606	343	19	617	125	2 290	13 641
1980	8 625	1 509	377	..	533	..	2 344	13 388
1981	8 946	1 432	388	..	490	..	2 347	13 603
1982	8 109	1 475	375	..	454	..	1 982	12 395
1983	8 486	1 723	385	..	472	..	2 286	13 352
1984	9 013	1 943	399	..	430	..	2 440	14 225
1985	8 988	2 143	447 <sup>a</sup>	..	487	..	2 374	14 439
1986	9 288	2 400	459 <sup>a</sup>	..	541	..	2 573	15 261
1987 <sup>b</sup>	9 673	2 656	456 <sup>a</sup>	..	567	..	2 695	16 046
1988 <sup>b</sup>	9 969	..	..	..	..	..	..	16 640

<sup>a</sup>Including tissue, other than sanitary.<sup>b</sup>Canadian Pulp and Paper Association monthly survey.Source: Statistics Canada Cat. No. 25-202, 36-204, 1950-1979. Canadian Pulp and Paper Association Reference Tables  
1988 and Special Monthly Compilation, 1980-1988.

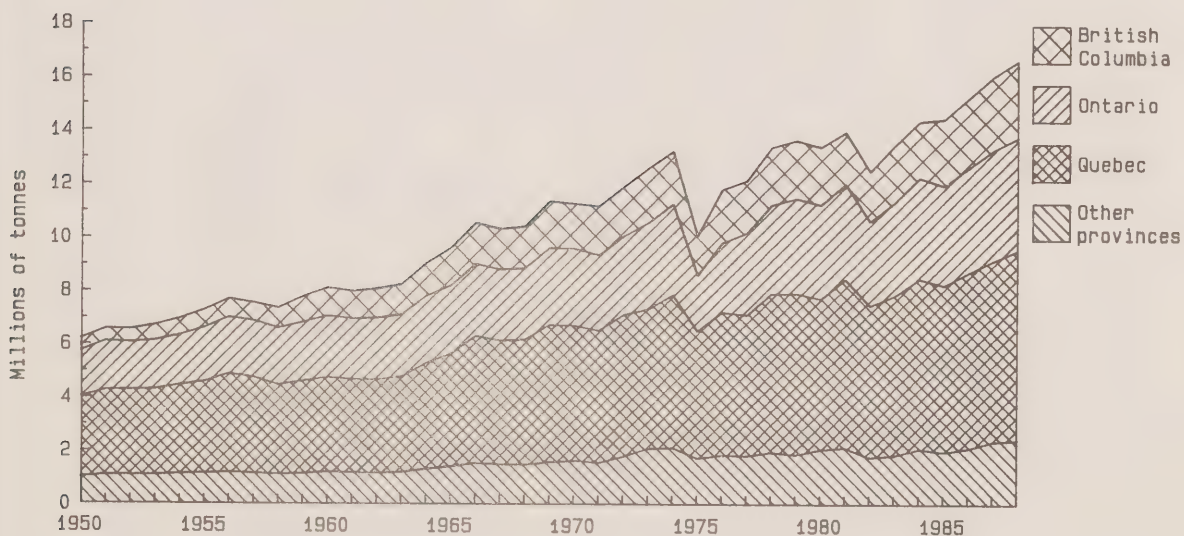
## PAPER AND PAPERBOARD



**Figure 12.** Basic paper and paperboard production in Canada, 1950-1987.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

## PAPER AND PAPERBOARD



**Figure 13.** Basic paper and paperboard production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.







## II - 18. SHIPMENTS OF BASIC PAPER AND PAPERBOARD BY CATEGORY, 1960-1988

Year	Newsprint	Book and writing paper	Sanitary	Tissue other than sanitary	Wrapping	Building paper	Paperboard	Total
<b>A. Quantity (1 000 t)</b>								
1960	6 146	363	37	13	273	75	877	7 785
1970	7 951	798	93	14	439	98	1 600	10 994
1971	7 639	822	86	15	492	132	1 646	10 831
1972	8 130	863	102	16	537	155	1 853	11 655
1973	8 373	891	105	18	616	147	2 062	12 214
1974	8 761	1 032	116	20	636	145	2 142	12 853
1975	7 046	680	87	12	422	141	1 504	9 892
1976	7 953	818	98	12	518	152	1 791	11 341
1977	8 111	1 085	108	15	546	140	1 874	11 880
1978	8 773	1 352	116	16	637	129	2 145	13 167
1979	8 667	1 573	137	17	606	125	2 208	13 333
1980	8 419	1 617	133	16	538	151	2 267	13 140
1981	8 836	1 582	138	16	516	125	2 305	13 519
1982	7 740	1 684	129	15	448	120	1 926	12 062
1983	8 440	1 712	122	17	464	120	2 169	13 044
1984	8 992	1 974	163	..	467 <sup>a</sup>	122	2 348	14 066
1985 <sup>b</sup>	8 996	2 121	455 <sup>c</sup>	..	475	..	2 398	14 445
1986 <sup>b</sup>	9 302	2 395	467 <sup>c</sup>	..	549	..	2 599	15 312
1987 <sup>b</sup>	9 761	2 652	472 <sup>c</sup>	..	562	..	2 695	16 142
1988 <sup>d</sup>	9 867	..	..	..	..	..	..	16 489
<b>B. Value (\$000 000)</b>								
1960	793	106	9	5	66	8	140	1 128
1970	1 107	238	26	7	102	9	269	1 757
1971	1 083	242	26	7	115	10	268	1 752
1972	1 177	262	30	8	124	12	313	1 925
1973	1 339	321	32	10	158	13	378	2 252
1974	1 855	496	51	15	242	17	550	3 226
1975	1 847	346	47	10	180	19	412	2 861
1976	2 180	404	62	10	204	21	503	3 383
1977	2 570	559	70	12	210	23	519	3 965
1978	3 004	729	75	13	270	24	615	4 730
1979	3 336	974	89	16	316	26	734	5 491
1980	3 723	1 133	111	17	327	38	856	6 205
1981	4 386	1 205	133	19	327	36	959	7 065
1982	4 057	1 337	138	19	305	33	850	6 740
1983	4 156	1 364	119	21	306	31	966	6 962
1984	4 821	1 711	134	..	340 <sup>a</sup>	33	1 156	8 194
1985	4 958	x	x	x	370	x	x	..
1986	5 205	2 422	x	x	426	x	1 283	..

<sup>a</sup>Tissue paper, other than sanitary, included with wrapping.<sup>b</sup>Canadian Pulp and Paper Association.<sup>c</sup>Including tissue other than sanitary.<sup>d</sup>Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

**II - 19. SHIPMENTS OF NEWSPRINT FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION, 1980-1988**

Point of destination/ year	Province of origin				Canada
	Quebec	Ontario	British Columbia	Other provinces	
			1 000 t		
<b>A. Canada</b>					
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	580	181	169	102	1 032
1986	615	208	188	110	1 121
1987	682	213	177	111	1 183
1988	708	221	194	105	1 227
<b>B. United States</b>					
1980	2 793	1 589	909	826	6 118
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 595
1983	3 051	1 470	932	580	6 033
1984	3 212	1 638	892	843	6 585
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
1987	3 396	1 631	1 078	982	7 087
1988	3 424	1 658	1 068	936	7 087
<b>C. Other countries</b>					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	-	224	719	1 363
1985	335	-	290	665	1 290
1986	439	6	292	709	1 446
1987	454	--	342	691	1 487
1988	467	-	359	728	1 554
<b>D. Total shipments</b>					
1980	3 900	1 759	1 323	1 639	8 622
1981	4 280	1 772	1 164	1 697	8 913
1982	4 036	1 482	1 165	1 371	8 054
1983	4 075	1 629	1 315	1 421	8 440
1984	4 240	1 807	1 259	1 712	9 018
1985	4 097	1 745	1 464	1 690	8 996
1986	4 291	1 767	1 504	1 739	9 301
1987	4 532	1 844	1 598	1 784	9 757
1988	4 598	1 879	1 621	1 769	9 867

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

**II - 20. SHIPMENTS OF OTHER PAPER AND PAPERBOARD FROM PROVINCE OF ORIGIN  
TO POINT OF DESTINATION, 1980-1988**

Point of destination/ year	Province of origin				Canada
	Quebec	Ontario	British Columbia	Other provinces	
1 000 t					
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 468	319	202	3 397
1985	1 456	1 506	363	176	3 501
1986	1 529	1 565	422	214	3 730
1987	1 481	1 677	430	221	3 809
1988	1 546	1 644	434	219	3 844
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	264	83	1 660
1987	747	620	321	254	1 942
1988	833	647	350	295	2 126
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	363	119	579
1985	51	22	447	75	595
1986	68	22	441	108	639
1987	75	20	414	124	634
1988	59	23	441	129	652
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029
1987	2 304	2 317	1 165	600	6 385
1988	2 438	2 314	1 225	644	6 621

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

## II - 21. SHIPMENTS OF SELECTED WOOD-BASED PANEL PRODUCTS, 1970-1988

Year	Veneer <sup>a</sup>			Plywood <sup>a</sup>			Other wood-based panels			
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard	
<b>A. Quantity (1 000 m<sup>3</sup>)</b>										
1970	470	134	604	1 664	191	1 855	..	256 <sup>b</sup>	171	
1973	607	139	746	2 149	250	2 399	..	565 <sup>b</sup>	253	
1974	489	118	607	1 842	218	2 060	..	507 <sup>b</sup>	222	
1975	506	99	605	1 979	180	2 159	..	564 <sup>b</sup>	194	
1976	651	111	762	2 134	190	2 324	285	474	191	
1977	750	127	877	2 359	194	2 553	384	514	172	
1978	678	164	842	2 576	217	2 793	457	617	198	
1979	634	x	x	2 379	x	x	528	703	193	
1980	638	x	x	2 248	x	x	577	724	226	
1981	616	x	x	1 978	198	2 176	665	697	163	
1982	473	x	x	1 646	163	1 809	536	574	118	
1983	701	x	x	x	..	2 057	851	706	162	
1984	..	..	..	..	..	1 845	1 183	823	144	
1985	..	..	..	..	..	1 970	1 331	1 029	151	
1986	..	..	..	..	..	1 888	1 356	1 115	136	
1987	..	..	..	..	..	2 223	1 589	1 310	139	
1988	..	..	..	..	..	2 182	1 647	1 154	125	
<b>B. Value (\$000 000)</b>										
1970	17	31	48	150	31	181	..	18 <sup>b</sup>	..	
1973	37	45	82	290	59	349	..	55 <sup>b</sup>	..	
1974	32	44	76	262	58	320	..	54 <sup>b</sup>	..	
1975	30	36	66	280	50	330	..	54 <sup>b</sup>	..	
1976	43	43	86	364	59	423	38	41	..	
1977	49	48	97	406	66	472	54	52	..	
1978	61	79	139	536	82	618	77	73	..	
1979	64	x	x	545	x	x	89	87	..	
1980	68	x	x	493	x	x	80	106	..	
1981	67	x	x	492	91	583	103	117	..	
1982	51	x	x	350	73	423	77	96	..	
1983	67	x	x	x	98	x	129	123	..	
1984	..	..	..	..	..	..	185	152	..	
1985	..	..	..	..	..	..	241	193	..	
1986	..	..	..	..	..	..	255	229	..	
1987	..	..	..	..	..	..	278	277	..	
1988	..	..	..	..	..	..	256	275	..	

<sup>a</sup>Annual survey 1970-1983, monthly survey 1984-1988.<sup>b</sup>Including waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001, and 36-003.

II - 22. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED WOOD INDUSTRIES  
FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Destination of shipments <sup>a</sup>										Total			
	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.		Prairies	B.C.	Directly exported
\$000 000														
A. Wood industries														
Nfld.	25				25									25
P.E.I.	x	x	x	x	x									10
N.S.	x	x	x	x	x									118
N.B.	x	x	x	x	186									284
Atlantic provinces	38	x	x	166	321	19	32	x	x	x	x	x	63	438
Que.	12	x	x	19	46	1 558	276	x	x	x	x	x	487	2 387
Ont.	x	x	x	x	19	109	1 226	13	x	x	x	x	407	1 796
Man.								93	x	x	122	1	x	135
Sask.									x	x	63			110
Alta.	x	x	2	x	x		29	x	x	270	304	39	148	539
Prairies	x	x	x	x	5	20	53	133	71	284	489	39	176	784
B.C.	6	3	14	10	33	124	301	61	x	172	292	1 323	2 496	4 569
Canada	59	21	144	200	424	1 830	1 888	213	x	473	828	1 374	3 629	9 973
B. Shingle and shake industry														
N.B.		x	x	x	x									5
Que.				x	x									10
B.C.		x	1	x	x									124
Canada	x	x	x	3	x	4	1	x	x	x	x	35	95	139
C. Sawmill and planing mill products industry														
Nfld.	9				9									9
P.E.I.		2			2									2
N.S.	x	x	x	1	54									60
N.B.	x	x	x	119	132									185
Atlantic provinces	x	x	x	119	196									257
Que.	x	x	x	7	x	799	164	x		x	x	x	49	1 329
Ont.			x		x		419	x	x	x	x	x	344	669
Man.								x	x				215	24
Sask.								x	x					52
Alta.								x	x					269
Prairies								16	x		124	x	116	345
B.C.	2	x	5	4		x	x	52	19	104	175	x	139	2 268
Canada	23	6	66	130	226	892	807	95	x	184	332	992	3 016	6 265

<sup>a</sup> Large establishments and head offices classified in the Census of Manufactures Universe were asked to report the first destination to which goods are shipped.

Source: Statistics Canada Cat. No. 31-530, Census of Manufactures.

II - 23. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED PAPER AND ALLIED INDUSTRIES FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Destination of shipments <sup>a</sup>													Total
	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Directly exported	
\$000 000														
A. Paper and allied products industries														
Nfld.	x	x	x	x	16	..	x	..	..	..	..	x	x	x
N.S.	x	x	x	x	61	32	x	x	x	x	x	x	x	434
N.B.	x	x	x	83	101	38	x	x	..	x	x	x	800	1 000
Atlantic provinces	x	x	x	x	178	70	190	x	x	4	x	x	1 304	x
Que.	24	x	x	70	133	1 721	1 032	x	x	31	x	x	2 883	5 864
Ont.	x	x	x	x	135	665	2 782	87	x	119	235	85	1 950	5 852
Man.	x	x	x	x	x	x	30	88	x	x	115	x	x	249
Sask.	..	..	..	..	..	x	x	x	x	x	16	x	x	x
Alta.	..	..	..	..	x	x	x	x	x	128	164	x	x	452
Prairies	x	x	x	x	--	44	42	105	49	142	296	x	458	x
B.C.	x	x	x	x	4	5	18	x	22	134	174	489	2 455	3 145
Canada	109	17	129	194	449	2 506	4 063	236	113	429	779	625	9 050	17 472
B. Pulp industry														
Nfld.	..	..	x	x	x	x	x	..	..	..	..	..	420	508
N.S.	..	..	x	x	x	x	x	..	..	..	..	..	420	x
Atlantic provinces	..	..	x	22	22	147	45	..	..	..	..	..	270	484
Que.	x	..	..	..	x	x	194	x	..	x	x	x	387	705
Prairies	..	..	..	..	..	x	x	x	..	x	x	..	369	x
B.C.	..	..	..	x	x	x	..	..	..	x	x	x	1 400	1 536
Canada	x	..	x	x	67	306	379	x	..	x	10	133	2 846	3 740
C. Newsprint industry														
Nfld.	x	..	..	..	x	..	x	..	..	..	..	..	x	x
N.S.	..	x	x	x	x	x	x	..	..	..	..	..	x	x
N.B.	..	..	x	x	x	x	x	..	..	x	x	..	x	x
Que.	..	..	..	x	x	228	270	x	x	6	x	x	2 282	2 797
Ont.	x	x	x	x	x	x	x	x	x	x	x	x	1 259	1 436
Man.	..	..	..	..	..	..	x	x	x	x	x	x	x	x
Prairies	..	..	..	..	..	..	x	x	x	x	x	x	x	x
B.C.	..	..	..	..	..	..	..	x	x	37	43	69	913	1 025
Canada	x	x	x	14	81	258	374	x	x	53	100	75	5 303	6 191

<sup>a</sup> Large establishments and head offices classified in the Census of Manufactures Universe were asked to report the first destination to which goods are shipped.

Source: Statistics Canada Cat. No. 31-530, Census of Manufactures.



## SECTION III

### COMMODITY TRADE

#### Exports

Export documents collected by Canada Customs are the basic source of export statistics, except for data on electricity, crude petroleum, and natural gas exported by pipeline.

Provincial Detail: Prior to the 1984 data year, export statistics by province of lading indicated the province in which the goods were first loaded aboard a carrier for export (province of lading). In certain cases this might differ from the province of origin, which is defined as the province in which the goods were grown, extracted, or manufactured.

Commencing with 1984 data, Statistics Canada and Revenue Canada, Customs and Excise have required export shipments to be reported by province of origin. It is understood that there are some problems effecting this change as many exporters are unable to report by province of origin.

Country and area of destination: Exports are classified according to the country to which they are consigned at the time the goods leave Canada, i.e., to the farthest known destination. (Many primary products are shipped to transshipment points, particularly in Europe, for re-export to the ultimate destination which is unknown when the goods leave Canada.)

#### Imports

Import documents collected by Canada Customs are the basic source of import statistics, except for data on imports of electricity, which are reported by the importing firms directly to Statistics Canada.

Provincial detail: Import statistics by province of clearance indicate the province in which the goods were cleared by customs either for immediate consumption or for entry into a bonded customs warehouse; this may not always coincide with the province in which the goods are consumed or enter the productive process.

Country and area of consignment: Imports are credited to the country from which goods are consigned to Canada, except for goods originating in Central and South America but consigned to Canada via the United States. The principal trade areas shown in some tables are defined in section X.B, "User's guide - Trade area groupings."

#### Commodity Classification

Export commodities are classified according to the "Export Commodity Classification (XCC)," catalogue 12-502. Import commodities are classified according to the "Canadian International Trade Classification," catalogue 65-502. These classifications were revised using new reference manuals in effect January 1, 1986.

## III - 1. BALANCE OF TRADE BY MAJOR COMMODITY GROUP, 1986-1987

Commodity	1986			1987		
	Exports <sup>a</sup> (+)	Imports (-)	Net flow	Exports <sup>a</sup> (+)	Imports (-)	Net flow
\$000 000						
<b>A. Forest products</b>	<b>18 018</b>	<b>2 399</b>	<b>+15 619</b>	<b>21 355</b>	<b>2 684</b>	<b>+18 671</b>
Lumber - Total	5 033	360	+ 4 673	5 938	424	+ 5 513
- Softwoods	4 893	143	+ 4 751	5 748	139	+ 5 608
Plywood, veneer	239	112	+ 128	270	137	+ 133
Particleboard and wood building board	184	-	+ 184	169	-	+ 169
Wood pulp	4 072	138	+ 3 934	5 474	143	+ 5 331
Newsprint	5 661	-	+ 5 661	6 029	-	+ 6 029
Other paper and paperboard	1 811	1 311	+ 500	2 258	1 465	+ 793
Pulpwood	12	28	- 16	22	22	- 1
Wood chips	78	24	+ 54	74	6	+ 67
Other crude wood materials	230	174	+ 57	372	176	+ 196
Other forest products	697	252	+ 445	751	310	+ 441
<b>B. Farm products</b>	<b>7 538</b>	<b>6 089</b>	<b>+ 1 449</b>	<b>7 949</b>	<b>6 100</b>	<b>+ 1 849</b>
Live animals	350	159	+ 191	368	162	+ 206
Food, feed, beverages, and tobacco	7 188	5 930	+ 1 258	7 581	5 938	+ 1 643
<b>C. Fish products</b>	<b>2 434</b>	<b>613</b>	<b>+ 1 821</b>	<b>2 770</b>	<b>691</b>	<b>+ 2 079</b>
<b>D. Energy</b>	<b>12 175</b>	<b>4 607</b>	<b>+ 7 568</b>	<b>13 348</b>	<b>5 015</b>	<b>+ 8 333</b>
Coal and other crude bituminous	1 851	746	+ 5 606	1 670	727	+ 8 418
Crude petroleum	3 775	2 885	+ 890	4 855	3 180	+ 1 676
Petroleum and coal products	2 098	889	+ 1 208	2 210	1 018	+ 1 192
Natural gas	2 524	--	+ 2 524	2 527	--	+ 2 527
Uranium and radioactive elements and isotopes	842	-	+ 842	886	-	+ 886
Electricity and parts	1 086	88	+ 998	1 200	90	+ 1 109
<b>E. Metals and minerals</b>	<b>17 690</b>	<b>10 084</b>	<b>+ 7 606</b>	<b>17 161</b>	<b>9 686</b>	<b>+ 7 475</b>
Metal ores, concentrates, and scrap	3 339	1 957	+ 1 382	3 654	1 644	+ 2 011
Iron and steel	2 433	1 840	+ 593	2 680	2 076	+ 604
Nonferrous metals	7 390	3 074	+ 432	6 441	2 486	+ 3 955
Other metals and minerals	4 528	3 213	+ 1 315	4 386	3 480	+ 906
<b>F. Other products</b>	<b>62 472</b>	<b>86 977</b>	<b>-24 505</b>	<b>62 135</b>	<b>90 071</b>	<b>-27 936</b>
Chemicals and fertilizers - minerals	2 716	1 654	+ 1 062	3 046	1 771	+ 1 276
Chemicals and fertilizers - non minerals	2 198	4 186	- 1 989	2 560	4 457	- 1 897
Textiles	396	2 105	- 1 709	456	2 261	- 1 805
Machinery	4 293	9 963	- 5 669	4 351	10 399	- 6 048
Transportation and automotive products	39 934	39 016	+ 917	37 446	38 507	- 1 061
Other products	12 935	30 052	-17 117	14 276	32 676	-18 400
<b>Special trade transactions</b>	<b>343</b>	<b>1 743</b>	<b>- 1 400</b>	<b>370</b>	<b>1 992</b>	<b>- 1 623</b>
<b>G. Total</b>	<b>120 670</b>	<b>112 511</b>	<b>+ 8 158</b>	<b>125 087</b>	<b>116 239</b>	<b>+ 8 848</b>

<sup>a</sup>Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

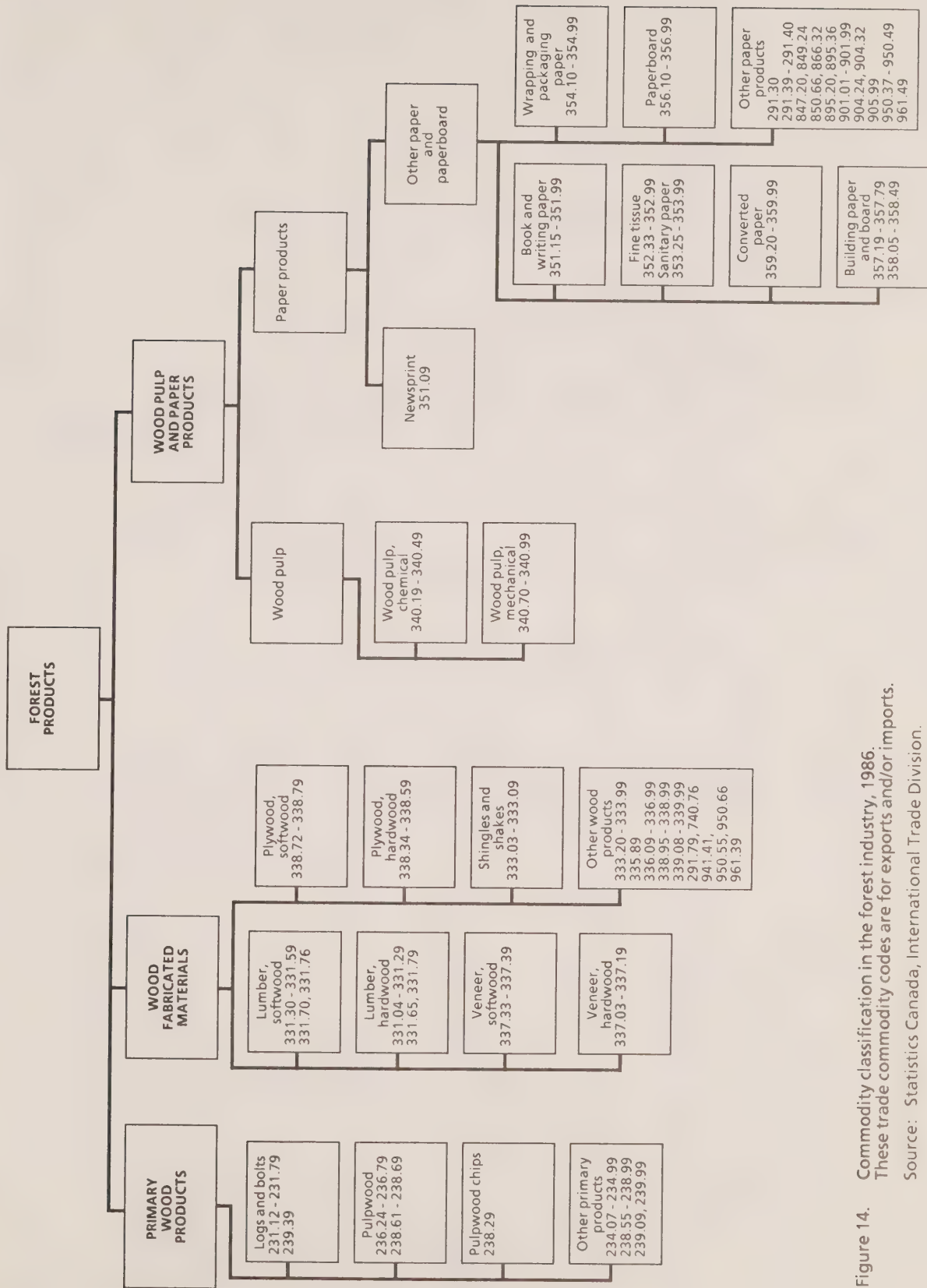


Figure 14. Commodity classification in the forest industry, 1986.  
These trade commodity codes are for exports and/or imports.  
Source: Statistics Canada, International Trade Division.

<sup>a</sup> Re-exports shown separately.

**Farm products:** Food, feed, and beverages, including live animals and tobacco.

**Energy-minerals:** coal and other crude bitumen substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.

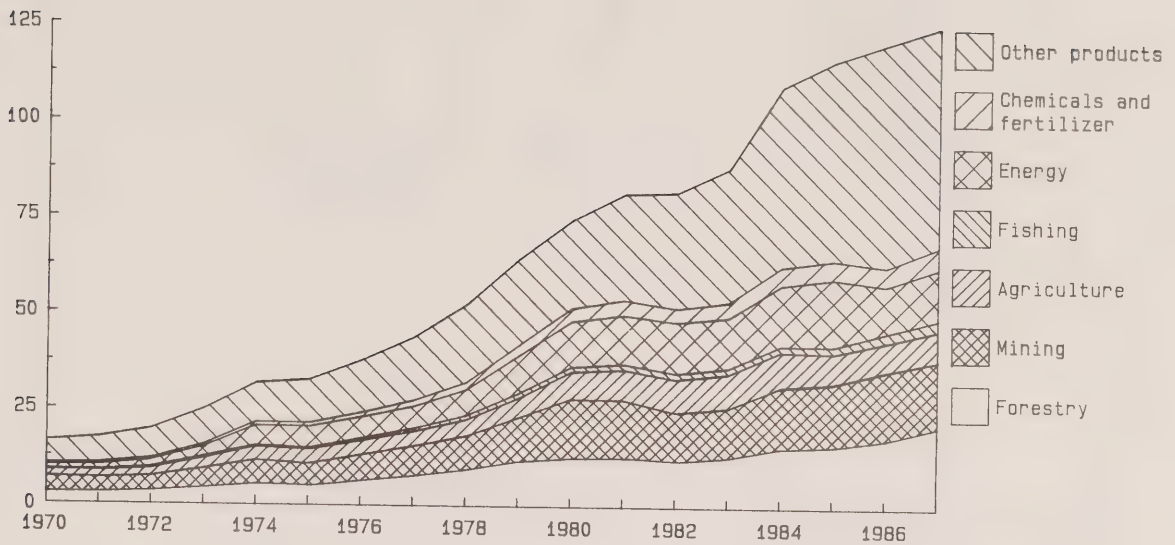
Other metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal-fabricated basic products, unmanufactured asbestos, sulphur and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

# EXPORTS OF CANADIAN PRODUCTS

Billions of dollars

65

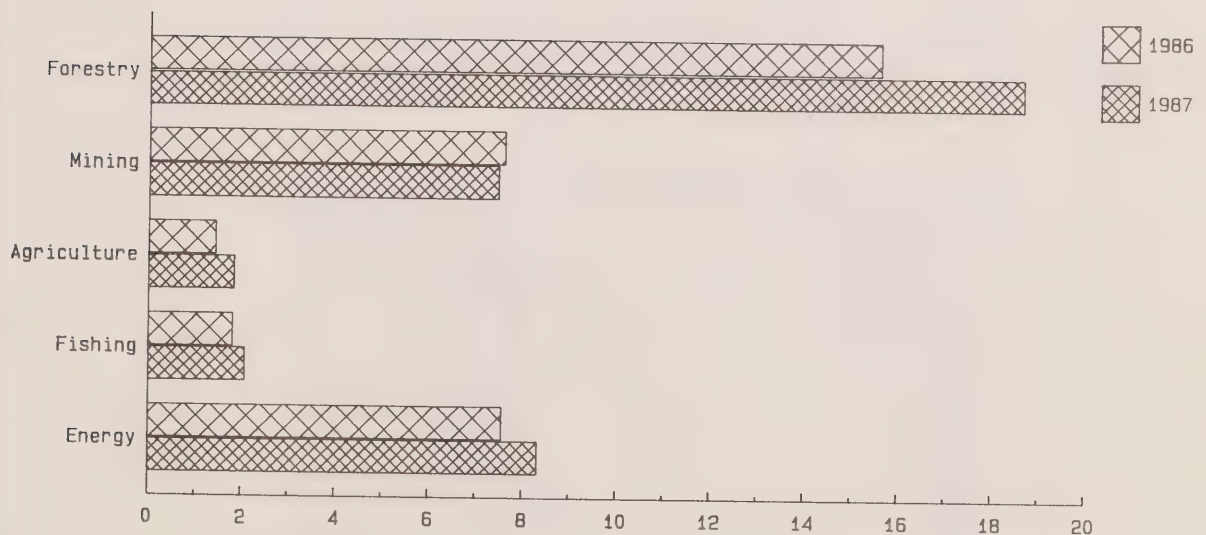


**Figure 15.** Exports of Canadian products by commodity group, 1970-1987.

Source: Statistics Canada, Cat No. 65-202 and special compilation.

## NET TRADE BALANCE

Billions of dollars



**Figure 16.** Contribution to net trade balance by commodity group, 1986-1987.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.



III - 3. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY PROVINCE OR REGION OF LADING 1970-1983  
AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1984-1987

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
\$000 000														
<b>A. Province or region of lading</b>														
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	2 955
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	3 112
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	3 646
1973	119	--	116	300	536	906	662	36	51	92	179	2 294	--	4 578
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	5 626
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	5 127
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	6 575
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	7 927
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	9 629
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	11 890
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	12 819
1981	325	1	356	954	1 636	3 404	2 513	124	141	330	595	4 855	1	13 003
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	12 101
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	13 218
<b>B. Province or region of lading/origin</b>														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	15 734
1985	318	2	357	1 025	1 701	4 140	3 437	178	105	407	690	6 274	1	16 242
1986	311	1	438	1 178	1 928	4 655	3 519	213	161	432	806	7 030	--	17 938
1987	372	1	508	1 388	2 269	4 907	3 738	190	223	550	963	9 364	--	21 241

<sup>a</sup>Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.



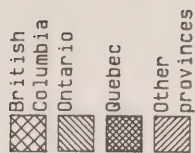
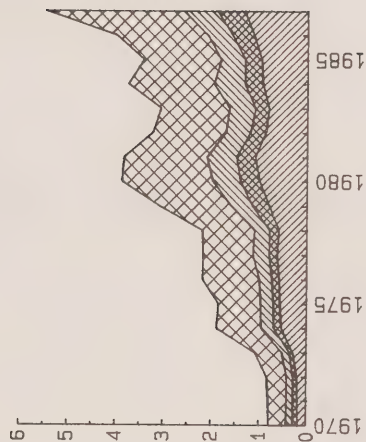
# EXPORTS BY REGION OF LADING/ORIGIN

Billions of dollars

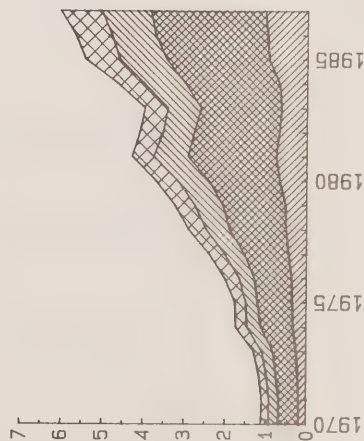
## SOFTWOOD LUMBER



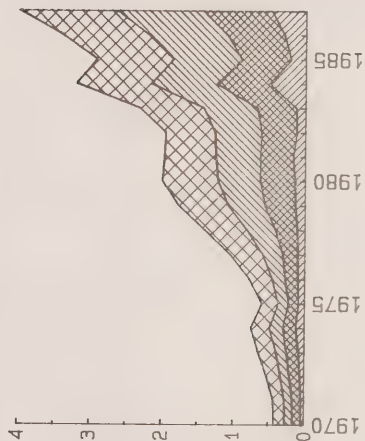
## WOOD PULP



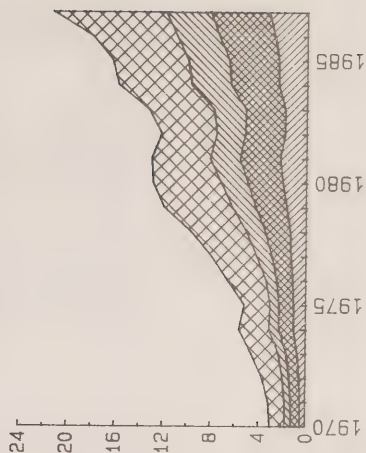
## NEWSPRINT



## OTHER FOREST PRODUCTS



## TOTAL FOREST PRODUCTS



**Figure 17.** Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1987.  
Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 4. EXPORTS<sup>a</sup> AND IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Lumber			Plywood and veneer	Particle-board and wood building board	Wood-pulp	News-print	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Canada		
	Softwoods	Total	Forest products (%)											
												Total forest products	Other forest products	Total products
\$000 000														
A. Exports														
1970	638	664	73	-	785	1 110	167	27	11	40	81	2 958	16 820	17.6
1973	1 559	1 600	128	-	1 082	1 288	287	12	16	19	150	4 582	25 421	18.0
1974	1 255	1 292	107	-	1 889	1 726	425	13	14	36	129	5 631	32 442	17.4
1975	949	975	90	-	1 834	1 746	305	11	14	36	119	5 130	33 328	15.4
1976	1 611	1 653	102	-	2 186	2 003	378	12	22	40	189	7 935	38 475	17.1
1977	2 339	2 389	149	-	2 158	2 382	471	12	35	59	280	9 634	44 554	17.8
1978	3 158	3 230	212	-	2 181	2 886	618	14	49	53	391	11 898	53 183	18.1
1979	3 821	3 903	248	-	3 083	3 222	827	15	54	77	469	12 842	76 159	16.9
1980	3 265	3 368	237	-	3 873	3 684	1 015	26	91	89	459	13 053	83 811	15.6
1981	2 916	3 029	222	-	3 819	4 326	966	25	98	77	490	12 188	84 530	14.4
1982	2 848	2 954	215	-	3 221	4 086	1 016	8	98	120	470	13 261	90 613	14.6
1983	3 896	3 997	258	92	3 049	3 956	1 148	12	89	174	486	15 793	112 384	14.1
1984	4 182	4 299	273	157	3 906	4 784	1 427	11	85	263	588	16 305	119 474	13.6
1985	4 524	4 630	249	201	3 411	5 411	1 486	8	83	203	623	18 018	120 670	14.9
1986	4 893	5 033	239	184	4 072	5 661	1 811	12	78	230	697	21 355	125 087	17.1
1987	5 748	5 938	270	169	5 474	6 029	2 258	22	74	372	751			
B. Imports														
1970	22	38	28	6	10	-	107	3	-	27	45	264	13 952	1.9
1973	60	99	78	23	17	-	188	4	-	50	105	564	23 325	2.4
1974	71	117	114	33	19	-	282	8	-	64	152	790	31 722	2.5
1975	71	110	124	30	30	-	346	9	-	56	160	864	34 716	2.5
1976	95	164	97	29	33	-	432	8	-	55	174	992	37 494	2.6
1977	96	171	72	25	35	-	402	11	5	51	199	972	42 363	2.3
1978	94	203	76	25	50	-	469	14	6	69	236	1 147	50 108	2.3
1979	127	271	89	26	79	-	546	21	6	94	296	1 428	62 871	2.3
1980	108	235	64	23	79	-	576	15	2	82	262	1 338	69 274	1.9
1981	130	276	113	29	83	-	722	17	3	75	310	1 628	79 482	2.0
1982	72	177	46	15	88	-	684	15	4	75	198	1 302	67 856	1.9
1983	123	281	88	21	86	-	876	13	7	102	166	1 640	75 520	2.2
1984	108	281	78	24	129	-	1 107	13	9	141	183	1 965	95 460	2.1
1985	112	281	79	28	132	-	1 142	17	9	156	190	2 034	104 355	1.9
1986	143	360	112	33	138	-	1 311	28	24	174	219	2 399	112 511	2.1
1987	139	424	137	35	143	-	1 465	22	6	176	276	2 684	116 239	2.3

<sup>a</sup>Including re-exports.

III - 5. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Lumber		Plywood and veneer	Particle-board and building board	Wood-pulp	Newsprint	Other		Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada	
	Softwoods	Total					paper and paperboard	Total forest products					Total products	
\$000 000														
1970	+ 616 <sup>a</sup>	+ 626	+ 45	- 6	+ 775	+1 110	+ 60	+24	+11	+13	+ 36	+ 2 694	+ 2 868	
1971	+ 772	+ 785	+ 34	- 11	+ 783	+1 084	+ 54	+16	+17	- 2	+ 42	+ 2 803	+ 2 202	
1972	+1 090	+1 107	+ 37	- 15	+ 813	+1 158	+ 77	+ 9	+13	- 27	+ 52	+ 3 224	+ 1 481	
1973	+1 499	+1 501	+ 50	- 23	+1 065	+1 288	+ 99	+ 8	+16	- 31	+ 45	+ 4 018	+ 2 096	
1974	+1 184	+1 175	- 7	- 33	+1 870	+1 726	+143	+ 5	+14	- 28	- 23	+ 4 841	+ 720	
1975	+ 878	+ 865	- 34	- 30	+1 804	+1 746	- 41	+ 2	+14	- 20	- 41	+ 4 266	- 1 388	
1976	+1 516	+1 489	+ 5	- 29	+2 153	+2 003	- 54	+ 4	+22	- 15	+ 15	+ 5 593	+ 981	
1977	+2 243	+2 218	+ 77	- 25	+2 123	+2 382	+ 69	+ 1	+30	+ 8	+ 81	+ 6 963	+ 2 191	
1978	+3 064	+3 027	+136	- 25	+2 131	+2 886	+149	-	+43	- 16	+155	+ 8 487	+ 3 075	
1979	+3 694	+3 632	+159	- 26	+3 004	+3 222	+281	- 6	+48	- 17	+173	+10 470	+ 2 770	
1980	+3 157	+3 133	+173	- 23	+3 794	+3 684	+439	+11	+89	+ 7	+197	+11 504	+ 6 885	
1981	+2 786	+2 753	+109	- 29	+3 736	+4 326	+244	+ 8	+95	+ 2	+180	+11 425	+ 4 329	
1982	+2 776	+2 777	+169	- 15	+3 133	+4 086	+332	- 7	+94	+45	+272	+10 886	+16 674	
1983	+3 773	+3 716	+170	+ 71	+2 963	+3 956	+272	- 1	+82	+72	+320	+11 621	+15 005	
1984	+4 074	+4 018	+195	+133	+3 777	+4 784	+320	- 2	+76	+122	+405	+13 828	+16 924	
1985	+4 412	+4 349	+170	+173	+3 279	+5 411	+344	- 9	+74	+ 47	+433	+14 271	+15 120	
1986	+4 750	+4 673	+127	+151	+3 934	+5 661	+500	-16	+54	+ 56	+478	+15 619	+ 8 159	
1987	+5 609	+5 514	+133	+134	+5 331	+6 029	+793	-	+68	+196	+475	+18 671	+ 8 848	

<sup>a</sup>The + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 6. DOMESTIC EXPORTS<sup>a</sup> AND IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1987

Year	Logs and bolts		Pulpwood	Wood chips	Lumber		Shingles and shakes	Wood pulp	Newsprint	Other paper and	
	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 m <sup>3</sup>	1 000 t	Softwoods	Total	1 000 m <sup>2</sup>	1 000 t	1 000 t	paperboard	and
A. Exports											
1950	..	..	..	194	7 971	8 399	27 164	1 675	4 480	1 000 t	106
1960	..	..	..	718	10 494	10 768	18 120	2 360	5 616		211
1970	1 295	2 636	..	881	17 299	17 299	20 462	5 063	7 339		626
1973	230	1 267	1 267	722	23 186	23 534	25 018	6 054	7 628		898
1974	752	1 202	1 202	588	19 283	19 562	19 358	6 526	7 910		913
1975	416	947	947	471	15 309	15 466	18 798	4 997	6 354		664
1976	569	905	905	704	22 621	22 832	24 841	6 116	7 000		788
1977	928	764	764	916	28 817	29 059	28 206	6 096	7 267		1 369
1978	670	891	891	1 111	31 419	31 715	33 369	6 641	7 868		1 610
1979	856	797	797	1 165	31 285	31 548	33 221	7 102	7 778		1 733
1980	1 164	1 066	1 066	1 343	29 016	29 290	32 638	7 253	7 718		1 931
1981	963	903	903	1 307	27 263	27 506	30 786	6 999	7 986		1 646
1982	1 260	287	287	1 131	27 566	27 807	30 303	6 115	7 081		1 644
1983	2 274	434	434	1 387	33 887	34 113	38 137	6 806	7 379		1 942
1984	3 408	408	408	1 305	37 066	37 335	42 427	7 030	8 127		2 040
1985	2 515	378	378	1 117	38 619	38 861	43 763	7 060	8 285		1 992
1986	2 741	611	611	1 012	38 001	38 274	42 871	7 619	8 562		2 321
1987	3 523	874	874	904	41 296	41 676	36 330	8 242	8 772		2 723
B. Imports											
1950	..	..	..	-	98	187	10	33	-		23
1960	..	..	..	-	326	544	101	58	-		139
1970	1 608	304	304	-	399	597	1 642	47	-		199
1973	2 261	339	339	-	704	1 075	287	83	-		332
1974	1 882	651	651	-	753	1 124	865	56	-		432
1975	1 658	555	555	-	856	1 187	-	82	-		516
1976	1 947	494	494	-	935	1 512	-	84	-		645
1977	1 764	585	585	-	764	1 228	-	87	-		449
1978	2 013	672	672	145	625	1 145	-	129	-		429
1979	2 364	897	897	160	785	1 409	-	173	-		417
1980	2 039	559	559	96	671	1 197	-	145	-		380
1981	1 631	591	591	86	807	1 361	-	141	-		501
1982	1 577	500	500	51	506	895	-	150	-		393
1983	2 359	457	457	97	773	1 341	-	292	-		528
1984	2 807	440	440	118	626	1 203	-	374	-		641
1985	2 947	588	588	157	663	1 197	-	224	-		659
1986	3 116	771	771	429	794	1 419	-	225	-		782
1987	3 093	746	746	108	740	1 559	-	205	-		851

<sup>a</sup>Excluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 7. APPARENT DOMESTIC CONSUMPTION<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1987

Year	Logs and bolts 1 000 m <sup>3</sup>	Pulpwood 1 000 m <sup>3</sup>	Lumber		Wood pulp 1 000 t	Newsprint 1 000 t	Other paper and paperboard 1 000 t
			Softwoods 1 000 m <sup>3</sup>	Total 1 000 m <sup>3</sup>			
1950	..	..	6 537	7 253	6 045	345	1 272
1960	..	..	7 694	8 683	8 096	452	1 955
1970	75 957	38 070	8 549	9 564	11 593	657	2 829
1971	80 984	35 326	9 648	10 622	11 468	658	2 963
1972	83 547	37 475	9 508	10 793	11 934	726	3 237
1973	98 917	41 450	12 697	14 185	12 592	729	3 660
1974	86 425	47 483	12 150	13 686	13 208	800	4 027
1975	74 785	36 671	11 859	13 026	10 198	656	2 908
1976	98 513	36 421	13 960	15 502	11 914	1 063	3 585
1977	104 543	36 553	12 541	13 897	12 159	799	3 150
1978	112 879	37 820	12 782	14 317	13 640	871	3 456
1979	115 941	40 342	15 064	16 561	13 799	864	3 683
1980	110 832	38 276	15 179	16 902	13 579	650	3 466
1981	96 986	40 892	12 781	14 072	13 714	947	3 878
1982	89 186	31 297	9 304	10 540	12 549	704	3 437
1983	111 354	38 113	14 510	15 894	13 681	1 082	3 591
1984	116 653	42 083	11 268	12 857	13 808	823	4 010
1985	119 711	40 761	14 557	16 197	13 337	703	4 222
1986	124 953	42 527	14 653	16 204	14 160	712	4 431
1987	..	..	20 489	21 881	14 806	901	4 506

<sup>a</sup> Apparent domestic consumption = Production + Imports - Exports.

Source: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203 and Canadian Pulp and Paper Association Reference Tables 1988.



# III - 8. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1987

Commodity	Nfld.	P.E.I.	N.S.	Atlantic provinces			Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
				N.B.	Atlantic	provinces									
								\$000							
<b>A. Primary wood products</b>	<b>3 354</b>	<b>683</b>	<b>14 764</b>	<b>20 321</b>	<b>39 122</b>	<b>20 736</b>	<b>20 736</b>	<b>7 643</b>	<b>127</b>	<b>378</b>	<b>2 707</b>	<b>3 212</b>	<b>392 301</b>	<b>3</b>	<b>463 018</b>
Logs, bolts - Total	7	39	206	2 783	3 034	3 129	3 129	2 763	114	123	285	522	308 274	3	317 725
- Softwood logs	7	-	1	881	889	60	60	175	30	123	24	178	301 772	-	303 073
Pulpwood - Total	3 348	546	4 332	7 324	15 550	3 552	3 552	549	-	-	-	-	1 954	-	21 604
- Unpeeled	-	2	3 127	6 435	9 564	1 765	1 765	22	-	-	-	-	1 619	-	12 971
Wood chips	-	-	-	6 107	6 107	1 314	1 314	1 299	-	-	1	1	64 725	-	73 446
Other primary products	-	98	10 226	4 107	14 431	12 741	12 741	3 033	13	255	2 421	2 689	17 348	-	50 243
<b>B. Wood-fabricated materials</b>	<b>304</b>	<b>329</b>	<b>16 575</b>	<b>156 372</b>	<b>173 580</b>	<b>881 230</b>	<b>881 230</b>	<b>945 802</b>	<b>65 231</b>	<b>25 847</b>	<b>238 297</b>	<b>329 375</b>	<b>4 710 045</b>	<b>38</b>	<b>7 040 069</b>
Lumber - Softwoods	265	133	12 613	108 733	121 743	588 417	588 417	647 929	57 935	13 597	177 643	249 175	4 137 724	38	5 765 025
- Hardwoods	-	62	2 087	2 004	4 153	54 672	54 672	48 876	2 989	17	88	3 093	2 816	-	113 610
Shingles and shakes	-	26	7	9 173	9 205	19 470	19 470	1 438	164	32	204	400	186 933	-	217 446
Veneer - Softwoods	-	-	-	-	-	380	380	1 326	-	-	2	2	12 524	-	14 232
- Hardwoods	-	37	117	813	967	55 750	55 750	62 394	-	-	272	272	1 220	-	120 603
Plywood - Softwoods	-	-	81	37	118	420	420	507	4	-	109	113	96 864	-	98 022
- Hardwoods	-	8	58	64	130	11 058	11 058	17 995	-	-	112	112	3 773	-	33 069
Other wood products	39	63	1 612	35 549	37 263	151 064	151 064	165 337	4 138	12 202	59 867	76 207	268 192	-	698 062
<b>C. Wood pulp and paper products</b>	<b>368 228</b>	<b>403</b>	<b>476 460</b>	<b>1 211 141</b>	<b>2 056 232</b>	<b>4 005 266</b>	<b>4 005 266</b>	<b>2 784 555</b>	<b>124 535</b>	<b>196 715</b>	<b>309 299</b>	<b>630 548</b>	<b>4 261 598</b>	<b>-</b>	<b>13 738 199</b>
Wood pulp - Total	111	85	230 624	611 501	842 320	565 776	565 776	700 559	1 734	194 885	293 237	489 856	2 874 523	-	5 473 035
- Chemical	111	85	230 286	486 678	717 160	536 971	536 971	699 656	1 734	194 847	293 200	489 781	2 872 196	-	5 225 764
Paper products	368 117	318	245 836	599 641	1 213 911	3 439 490	3 439 490	2 083 996	122 801	1 829	16 062	140 692	1 387 075	-	8 265 164
Newsprint	294 968	-	233 766	453 309	982 043	2 795 761	2 795 761	1 195 244	63 126	-	130	63 255	992 286	-	6 028 589
Other paper and paperboard	73 149	318	12 070	146 332	231 868	643 729	643 729	888 752	59 675	1 829	15 932	77 437	394 789	-	2 236 574
Book and writing paper	72 968	13	554	82 908	156 443	254 106	254 106	400 640	245	66	20	330	57 346	-	868 865
Fine paper	-	-	36	76	112	37 030	37 030	40 883	22	-	58	79	38 842	-	116 947
Tissue and sanitary	6	11	9	4 494	4 521	18 240	18 240	24 422	-	-	-	-	23 366	-	70 548
Wrapping and packaging	-	213	74	444	730	28 718	28 718	33 487	51 817	-	220	52 037	97 105	-	212 077
Paperboard	-	9	2 039	54 957	57 006	102 617	102 617	40 679	51	-	506	556	101 560	-	302 418
Building paper and board	-	8	7 304	130	7 442	42 981	42 981	66 640	1 524	62	11 070	12 655	25 404	-	155 123
Converted paper	16	41	277	756	1 091	54 601	54 601	148 771	654	-	864	1 518	2 538	-	208 518
Misc. paper products	159	23	1 777	2 565	4 523	105 436	105 436	133 229	5 363	1 702	3 196	10 261	48 628	-	302 076
<b>Total forest products</b>	<b>371 887</b>	<b>1 415</b>	<b>507 799</b>	<b>1 387 834</b>	<b>2 268 934</b>	<b>4 907 232</b>	<b>4 907 232</b>	<b>3 738 000</b>	<b>189 893</b>	<b>222 939</b>	<b>550 303</b>	<b>963 135</b>	<b>9 363 944</b>	<b>41</b>	<b>21 241 286</b>

<sup>a</sup>Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.



Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic				Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	
					provinces													
<b>A. Primary wood products</b>																		
Logs, bolts - Total (1 000 m <sup>3</sup> )	--	2	2	68	72	24	27	1	1	3	5	3 395	--					3 523
- Softwood logs	--	-	--	23	23	--	5	1	1	--	2	3 247	-					3 277
Pulpwood - Total (1 000 m <sup>3</sup> )	100	12	154	403	669	122	13	-	-	-	-	70	-					874
- Unpeeled	-	--	124	374	498	62	1	-	-	-	-	58	-					618
Wood chips (1 000 t)	-	-	-	94	94	18	19	-	-	--	--	774	-					904
<b>B. Wood-fabricated materials</b>																		
Lumber - Softwoods (1 000 m <sup>3</sup> )	2	1	85	807	895	4 710	5 260	470	143	1 595	2 208	28 223	--					41 296
- Hardwoods	-	1	4	12	16	204	134	15	--	1	16	10	-					380
Shingles and shakes(1 000 m <sup>2</sup> )	-	3	1	1 653	1 657	3 531	364	41	3	38	83	30 696	-					36 330
Veneer - Softwoods (1 000 m <sup>3</sup> )	-	-	-	-	-	1	7	-	-	-	-	83	-					91
- Hardwoods	-	--	--	1	1	53	67	-	-	-	-	2	-					122
Plywood - Softwoods (1 000 m <sup>3</sup> )	-	-	--	--	--	1	1	--	-	-	-	269	-					272
- Hardwoods	-	--	--	--	--	14	35	-	-	-	-	7	-					57
Other wood products (1 000 m <sup>3</sup> )	--	--	7	73	80	182	335	41	80	288	409	513	-					1 520
<b>C. Wood pulp and paper products</b>																		
paper products (1 000 t)	630	--	683	1 826	3 140	5 432	3 736	185	329	487	1 001	6 426	-					19 736
Wood pulp - Total	--	--	346	948	1 294	815	1 035	3	329	454	785	4 312	-					8 242
- Chemical	--	--	346	695	1 041	756	1 034	3	329	453	785	4 093	-					7 709
Paper products	629	--	337	879	1 846	4 617	2 701	182	--	34	216	2 114	-					11 495
Newsprint	535	-	320	647	1 503	3 897	1 735	99	-	--	100	1 537	-					8 772
Other paper and paperboard	95	--	17	231	343	720	966	83	--	33	117	577	-					2 723
Book and writing paper	95	--	1	99	195	320	489	--	--	--	1	67	-					1 070
Fine paper	-	-	--	--	--	39	40	--	-	--	--	39	-					118
Tissue and sanitary	--	--	--	3	3	17	19	--	-	-	-	24	-					64
Wrapping and packaging	-	--	--	1	1	28	23	77	-	--	77	170	-					300
Paperboard	-	--	5	127	131	189	81	--	-	1	1	222	-					624
Building paper and board	-	--	11	1	12	113	272	5	--	32	37	48	-					482
Converted paper	--	--	--	1	1	15	43	1	-	1	1	6	-					66

<sup>a</sup>Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 10. IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1987

Commodity	Mfld.	P.E.I.	N.S.	Atlantic				Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
				N.B.	provinces	Que.	\$ 000								
<b>A. Primary wood products</b>	<b>3</b>	<b>-</b>	<b>1 499</b>	<b>13 230</b>	<b>14 733</b>	<b>122 629</b>	<b>39 637</b>	<b>264</b>	<b>427</b>	<b>421</b>	<b>1 112</b>	<b>26 859</b>	<b>-</b>	<b>-</b>	<b>204 969</b>
Logs, bolts - Total	-	-	6	7 633	7 639	117 422	26 671	-	3	17	20	2 163	-	-	153 915
- Softwood logs	-	-	-	5 027	5 027	89 435	936	-	2	-	2	15 490	-	-	22 343
Pulpwood - Total	-	-	-	126	126	298	6 430	-	-	-	-	15 490	-	-	22 019
- Unpeeled	-	-	-	126	126	298	6 106	-	-	-	-	15 490	-	-	22 019
Wood chips	-	-	-	4 985	4 985	7	270	4	1	-	6	1 211	-	-	6 479
Other primary products	3	-	1 493	486	1 983	4 903	6 266	260	422	404	1 086	7 995	-	-	22 233
<b>B. Wood-fabricated materials</b>	<b>245</b>	<b>23</b>	<b>6 766</b>	<b>13 990</b>	<b>21 025</b>	<b>162 035</b>	<b>442 357</b>	<b>31 574</b>	<b>9 024</b>	<b>14 363</b>	<b>54 961</b>	<b>190 503</b>	<b>3</b>	<b>-</b>	<b>870 884</b>
Lumber - Softwoods	-	1	200	6 002	6 203	17 609	49 354	1 741	259	636	2 637	63 638	-	-	139 441
- Hardwoods	83	-	3 895	1 887	5 865	69 965	165 762	14 720	4 087	7 478	26 286	16 885	-	-	284 763
Veneer - Softwoods	-	1	-	-	1	746	1 329	-	103	35	138	13 261	-	-	15 475
- Hardwoods	-	-	-	42	42	6 761	18 363	146	1 161	200	1 507	2 584	-	-	29 257
Plywood - Softwoods	-	-	217	334	551	2 768	18 569	1 819	112	331	2 261	5 810	-	-	29 959
- Hardwoods	-	-	2	49	51	18 304	22 374	64	1	122	187	20 936	-	-	61 852
Other wood products	162	20	2 451	5 677	8 311	45 883	166 605	13 084	3 300	5 562	21 946	67 389	-	3	310 137
<b>C. Wood pulp and paper products</b>	<b>1 969</b>	<b>37</b>	<b>6 844</b>	<b>45 450</b>	<b>54 300</b>	<b>357 040</b>	<b>965 784</b>	<b>60 590</b>	<b>7 166</b>	<b>18 119</b>	<b>85 875</b>	<b>144 768</b>	<b>6</b>	<b>1 607 773</b>	<b>-</b>
Wood pulp - Total	-	-	747	3 660	4 406	46 679	57 695	11 420	3	48	11 471	22 436	-	-	142 687
- Chemical	-	-	745	3 650	4 395	41 641	52 581	11 419	-	40	11 459	22 361	-	-	132 437
Paper products	1 969	37	6 097	41 790	49 893	310 361	908 090	49 171	7 163	18 070	74 404	122 332	6	1 465 085	-
Book and writing paper	2	3	717	16 840	17 563	68 145	129 516	9 712	889	3 939	14 539	16 608	-	-	246 371
Tissue and sanitary	26	-	356	667	1 049	16 696	22 955	604	206	229	1 038	1 452	-	-	43 191
Wrapping and packaging	-	-	-	293	296	11 052	24 528	4 449	27	132	4 608	1 948	-	-	42 432
Paperboard	690	-	552	3 708	4 949	23 050	118 056	3 733	1 315	1 691	6 738	26 547	-	-	179 342
Building paper and board	-	-	45	775	820	22 307	31 305	985	135	658	1 778	13 309	-	-	69 518
Converted paper	173	-	838	7 731	8 743	50 385	155 220	3 116	156	1 054	4 326	17 623	-	-	236 297
Misc. paper products	1 060	33	3 287	10 132	14 512	87 246	294 275	13 307	3 266	6 984	23 557	30 393	6	-	449 988
<b>Total forest products</b>	<b>2 217</b>	<b>60</b>	<b>15 110</b>	<b>72 670</b>	<b>90 057</b>	<b>641 704</b>	<b>1 447 778</b>	<b>92 429</b>	<b>16 617</b>	<b>32 903</b>	<b>141 948</b>	<b>362 129</b>	<b>9</b>	<b>2 683 626</b>	<b>-</b>

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1987

Commodity	Nfld.	P.E.I.	N.S.	Atlantic provinces					Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	
				N.B.	Que.	Atlantic provinces											
A. Primary wood products																	
Logs, bolts - Total (1 000 m <sup>3</sup> )	-	-	--	186	186	2 603	259	--	--	259	-	--	--	--	45	-	3 093
- Softwood logs	-	-	-	136	136	2 195	22	--	-	22	-	--	-	--	45	-	2 399
Pulpwood - Total (1 000 m <sup>3</sup> )	-	-	-	4	4	10	262	-	-	262	-	-	-	-	470	-	746
- Unpeeled	-	-	-	4	4	10	247	-	-	247	-	-	-	-	470	-	731
Wood chips (1 000 t)	-	-	-	82	82	--	6	--	-	6	--	--	-	--	20	-	108
B. Wood-fabricated materials																	
Lumber - Softwoods (1 000 m <sup>3</sup> )	-	--	1	32	34	133	209	9	2	209	9	2	4	15	351	-	740
- Hardwoods	--	-	20	7	28	209	484	37	8	484	37	8	12	58	41	-	819
Veneer - Softwoods (1 000 m <sup>3</sup> )	-	--	-	-	--	2	4	-	--	4	-	--	--	--	72	-	77
- Hardwoods	-	-	-	--	--	7	16	--	1	16	--	1	--	1	2	-	26
Plywood - Softwoods (1 000 m <sup>3</sup> )	-	-	-	-	2	-	-	-	-	-	-	-	-	7	-	-	99
- Hardwoods	-	-	--	--	--	41	45	--	--	45	--	--	--	--	39	-	125
Other wood products (1 000 m <sup>3</sup> )	--	-	--	2	2	27	39	9	2	39	9	2	3	13	48	-	131
C. Wood pulp and paper products (1 000 t)																	
paper products (1 000 t)	1	--	3	31	36	270	560	46	4	560	46	4	13	63	127	-	1 056
Wood pulp - Total	-	-	1	6	7	72	77	16	--	77	16	--	--	16	33	-	205
- Chemical	-	-	1	6	7	68	74	16	-	74	16	-	--	16	33	-	198
Paper products	1	--	2	25	29	198	483	30	4	483	30	4	13	46	95	-	851
Other paper and paperboard	1	--	2	25	29	198	483	30	4	483	30	4	13	46	95	-	851
Book and writing paper	--	--	1	16	16	66	116	8	1	116	8	1	6	15	14	-	226
Fine paper	--	-	--	1	1	20	67	7	1	67	7	1	2	9	11	-	108
Tissue and sanitary	--	-	--	--	--	6	10	--	--	10	--	--	--	1	1	-	19
Wrapping and packaging	-	-	--	--	--	15	21	5	--	21	5	--	--	6	2	-	44
Paperboard	1	-	1	5	7	36	178	7	2	178	7	2	4	13	41	-	275
Building paper and board	-	-	--	1	1	39	36	2	--	36	2	--	1	3	20	-	98
Converted paper	--	--	--	2	2	16	55	1	--	55	1	--	--	1	6	-	81

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1987

Commodity	South America			Europe			Asia						
	United States	and Central America	Africa	United Kingdom	Other EEC	Scandi-navia	Europe	USSR	Japan	Asia	Oceania	World	
\$000													
A. Primary wood products	99 613	910	-	22	9 633	3 563	13 378	-	312 892	349 033	75	463 018	
Logs, bolts - Total	19 482	-	-	20	2 414	36	2 633	-	262 106	295 564	46	317 725	
- Softwood logs	15 665	-	-	-	85	-	86	-	260 581	287 326	46	303 073	
Pulpwood - Total	10 545	-	-	-	6 161	3 127	9 287	-	70	1 772	-	21 604	
- Unpeeled	9 570	-	-	-	8	3 127	3 135	-	70	266	-	12 971	
Wood chips	22 213	1	-	-	804	-	804	-	50 358	50 428	-	73 446	
Other primary products	47 373	909	-	2	253	400	655	-	358	1 269	29	50 243	
B. Wood-fabricated materials	5 251 691	28 423	22 073	437 262	296 209	6 564	745 942	357	848 470	895 244	94 763	7 040 069	
Lumber - Softwoods	4 179 019	24 742	19 060	354 727	219 542	281	578 820	-	821 838	850 956	92 004	5 745 025	
- Hardwoods	52 970	267	1 742	10 397	29 932	1 996	42 527	-	9 792	15 983	95	113 610	
Shingles and shakes	212 226	754	16	953	2 454	-	3 474	-	128	198	774	217 446	
Veneer - Softwoods	13 901	-	24	8	55	-	63	-	195	244	-	14 232	
- Hardwoods	97 423	145	971	1 015	9 851	2 411	14 008	-	1 040	7 780	275	120 603	
Plywood - Softwoods	3 605	486	6	52 098	28 629	1 202	82 123	-	11 030	11 408	277	98 022	
- Hardwoods	32 817	109	-	33	17	32	81	-	-	46	-	33 069	
Other wood products	659 730	1 920	255	18 031	5 730	643	24 846	357	4 448	8 629	1 338	698 062	
C. Wood pulp and paper products	9 358 199	434 136	41 608	545 278	1 369 267	22 108	1 994 880	23 004	888 623	1 725 920	159 356	13 738 199	
Wood pulp - Total	2 461 357	113 255	12 697	265 802	1 149 919	19 769	1 491 269	22 996	744 307	1 299 646	71 684	5 473 035	
- Chemical	2 368 485	104 420	12 089	209 242	1 144 194	19 034	1 428 250	22 996	686 202	1 217 752	71 641	5 225 764	
Paper products	6 896 842	320 880	28 911	279 477	219 351	2 339	503 610	8	144 316	426 274	87 673	8 265 164	
Newsprint	5 084 171	241 142	15 052	195 416	151 210	-	346 702	-	109 243	273 484	68 021	6 028 589	
Other paper and paperboard	1 812 671	79 738	13 859	84 061	68 138	2 339	156 908	8	35 073	152 790	19 651	2 236 574	
Book and writing paper	817 800	10 082	1 658	20 731	6 438	38	27 237	8	152	8 434	3 631	868 865	
Fine paper	106 034	2 359	289	105	226	-	331	-	9	6 767	1 168	116 947	
Tissue and sanitary	56 831	834	313	2 033	266	-	2 299	-	-	7 361	2 892	70 548	
Wrapping and packaging	128 688	7 579	425	18 393	11 928	924	31 245	-	11 940	44 065	76	212 077	
Paperboard	121 858	43 875	7 632	25 269	38 049	526	65 469	-	16 955	63 042	542	302 418	
Building paper and board	131 906	515	-	9 537	5 182	224	14 943	-	3 468	7 608	94	155 123	
Converted paper	198 116	2 445	743	3 274	1 805	34	5 188	-	195	936	1 071	208 518	
Misc. paper products	251 439	12 050	2 798	4 720	4 244	593	10 196	-	2 355	14 576	10 177	302 076	
Total forest products	14 709 503	463 468	63 681	982 562	1 675 109	32 235	2 754 200	23 362	2 049 985	2 970 197	254 195	21 241 286	

<sup>a</sup>Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

Commodity	United States	South and Central America	Europe					Asia							
			Africa	United Kingdom	Other EEC	Scandi- navia	Europe	USSR	Japan	Asia	Oceania	World			
<b>A. Primary wood products</b>															
Logs, bolts - Total (1 000 m <sup>3</sup> )	330	-	-	--	18	--	19	-	2 509	3 174	--	--	3 523		
- Softwood logs	248	-	-	-	1	-	1	-	2 491	3 027	--	--	3 277		
Pulpwood - Total (1 000 m <sup>3</sup> )	524	-	-	-	181	124	305	-	1	45	-	-	874		
- Unpeeled	489	-	-	-	--	124	124	-	1	5	-	-	618		
Wood chips (1 000 t)	373	--	-	-	8	-	8	-	521	523	-	-	904		
<b>B. Wood-fabricated materials</b>															
Lumber - Softwoods (1 000 m <sup>3</sup> )	34 086	182	129	2 331	835	1	3 175	-	3 142	3 383	338	41 296			
- Hardwoods	274	1	3	21	46	3	70	-	18	31	--	380			
Shingles and shakes (1 000 m <sup>2</sup> )	35 601	113	2	120	344	-	472	-	15	25	117	36 330			
Veneer - Softwoods (1 000 m <sup>3</sup> )	89	-	--	--	--	-	--	-	1	1	-	91			
- Hardwoods	100	--	1	1	10	2	13	-	1	8	--	122			
Plywood - Softwoods (1 000 m <sup>3</sup> )	9	1	--	145	76	3	224	-	36	37	1	272			
- Hardwoods	56	--	-	--	--	--	--	-	-	--	-	57			
Other wood products (1 000 m <sup>3</sup> )	1 482	--	--	12	9	1	23	-	3	12	2	1 520			
<b>C. Wood pulp and paper products (1 000 t)</b>															
Wood pulp - Total	13 086	733	63	811	2 010	34	2 937	32	1 345	2 652	233	19 736			
- Chemical	3 760	179	20	397	1 670	30	2 176	32	1 130	1 971	105	8 242			
Paper products	3 552	159	18	299	1 656	29	2 064	32	996	1 780	105	7 709			
Newsprint	9 326	555	43	415	340	3	761	--	215	681	128	11 495			
Other paper and paperboard	7 259	428	26	292	216	-	508	-	152	429	121	8 772			
paperboard	2 067	126	17	123	125	3	253	--	63	252	8	2 723			
Book and writing paper	1 009	15	2	24	9	--	33	--	--	9	4	1 070			
Fine paper	108	2	--	--	--	-	--	--	--	8	1	118			
Tissue and sanitary	53	1	--	1	--	-	1	-	-	6	2	64			
Wrapping and packaging	160	11	1	29	20	2	52	-	20	76	--	300			
Paperboard	239	98	14	50	80	1	134	-	37	138	1	624			
Building paper and board	437	1	-	16	13	--	30	-	6	14	--	482			
Converted paper	62	--	--	2	--	--	2	-	--	--	--	66			

<sup>a</sup>Excluding re-exports.





III - 14. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>b</sup> AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987 (CONCLUDED)

Trade area/ commodity	Mfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
															\$000
<b>China, People's Rep.</b>	15 882	-	1 304	5 363	22 549	27 951	151	-	-	10	10	199 981	-	249 741	1.2
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	9 875	-	9 875	
Wood pulp	-	-	1 303	1 118	2 421	6 168	-	-	-	-	-	141 076	-	149 664	
Newsprint	15 882	-	-	1 995	17 877	11 623	-	-	-	-	-	12 127	-	41 628	
<b>Japan</b>	2 568	-	3 020	167 296	172 885	33 780	5 213	1 675	57 269	9 869	68 814	1 769 294	-	2 049 985	9.7
Softwood lumber	-	-	19	-	19	259	12	355	12	237	603	820 945	-	821 838	
Wood pulp	-	-	2 111	82 555	84 666	21 209	70	600	57 224	9 262	67 086	570 575	-	744 307	
Newsprint	2 568	-	754	84 192	87 513	5 195	-	-	-	-	-	16 534	-	109 243	
<b>Southeast Asia</b>	-	-	783	1 437	2 220	18 286	3 337	81	-	322	403	166 667	-	190 913	0.9
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	60	-	60	
Wood pulp	-	-	-	-	-	699	-	-	-	-	-	108 362	-	109 061	
Newsprint	-	-	-	-	-	12 059	751	-	-	-	-	28 676	-	41 487	
<b>Australia</b>	8 557	-	1 158	53	9 768	7 984	12 613	2	1	8	10	206 735	-	237 111	1.1
Softwood lumber	-	-	-	-	-	-	52	-	-	-	-	82 581	-	82 633	
Wood pulp	-	-	723	-	723	553	-	-	-	-	-	70 408	-	71 684	
Newsprint	8 557	-	-	53	8 610	3 899	-	-	-	-	-	49 978	-	62 488	
<b>Other countries</b>	3 563	54	15 015	16 483	35 116	86 844	15 355	453	16 354	6 636	23 439	401 492	-	562 244	2.6
Softwood lumber	-	-	242	-	240	143	4	20	-	-	34	19 651	-	20 094	
Wood pulp	-	-	56	13 093	20 104	51 330	1	-	16 228	3 005	19 232	279 961	-	370 626	
Newsprint	3 501	-	-	5 091	8 593	16 752	430	-	-	-	-	59 078	-	84 849	
<b>World</b>	371 887	1 415	507 799	1 387 834	2 268 934	4 907 232	3 738 000	189 893	222 939	550 303	963 135	9 363 944	41	21 241 286	100.0
Softwood lumber	265	133	12 613	108 733	121 743	588 417	647 929	57 935	13 597	177 643	249 175	4 137 724	38	5 745 025	
Wood pulp	111	85	230 624	611 501	842 320	565 776	700 559	1 734	194 885	293 237	489 856	2 874 523	-	5 473 035	
Newsprint	294 968	-	233 766	453 309	982 043	2 795 761	1 195 244	63 126	-	130	63 255	992 286	-	6 028 589	

<sup>a</sup>Excluding re-exports.

<sup>b</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.



III - 15. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>b</sup> AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
<b>China, People's Rep.<sup>3</sup></b>														
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	75 212	-	75 212
Wood pulp (t)	-	-	2 000	2 526	4 526	9 982	-	-	-	-	-	208 562	-	223 070
Newsprint (t)	30 217	-	-	2 904	33 120	23 578	-	-	-	-	-	21 282	-	77 980
<b>Japan</b>														
Softwood lumber (m <sup>3</sup> )	-	-	38	-	38	828	94	578	198	585	1 362	3 139 389	-	3 141 711
Wood pulp (t)	-	-	3 455	138 397	141 851	33 514	99	1 020	94 596	13 818	109 434	845 416	-	1 130 314
Newsprint (t)	5 145	-	1 533	117 679	124 357	6 102	-	-	-	-	-	21 600	-	152 059
<b>Southeast Asia</b>														
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	186	-	186
Wood pulp (t)	-	-	-	-	-	1 548	-	-	-	-	-	157 419	-	158 967
Newsprint (t)	-	-	-	-	-	21 500	1 451	-	-	-	-	48 779	-	71 730
<b>Australia</b>														
Softwood lumber (m <sup>3</sup> )	-	-	-	-	-	-	231	-	-	-	-	320 795	-	321 026
Wood pulp (t)	-	-	1 005	-	1 005	880	-	-	-	-	-	102 767	-	104 652
Newsprint (t)	19 027	-	-	37	19 064	7 465	-	-	-	-	-	85 069	-	111 597
<b>Other countries</b>														
Softwood lumber (m <sup>3</sup> )	-	-	1 548	-	1 548	1 286	48	198	-	149	347	49 373	-	52 600
Wood pulp (t)	-	66	17 840	10 767	28 673	81 116	-	-	27 017	4 427	31 444	422 449	-	563 682
Newsprint (t)	7 866	-	-	7 853	15 720	26 581	643	-	-	-	-	91 635	-	134 580
<b>World</b>														
Softwood lumber (m <sup>3</sup> )	1 949	1 095	85 026	807 114	895 184	4 709 918	5 260 196	470 459	142 960	1 594 606	2 208 025	28 222 854	208	41 296 384
Wood pulp (t)	164	104	346 253	947 769	1 294 289	814 931	1 035 227	2 838 328	599	453 516	784 953	4 312 167	-	8 241 568
Newsprint (t)	534 826	-	320 269	647 422	1 502 518	3 897 212	1 734 901	99 243	-	377	99 619	1 537 368	-	8 771 618

<sup>a</sup>Excluding re-exports.

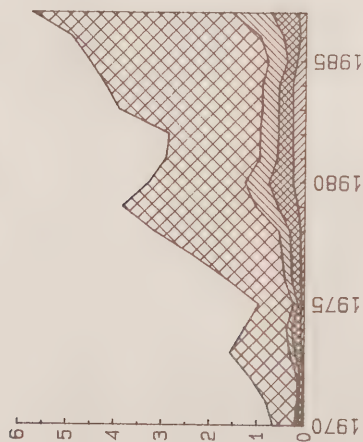
<sup>b</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

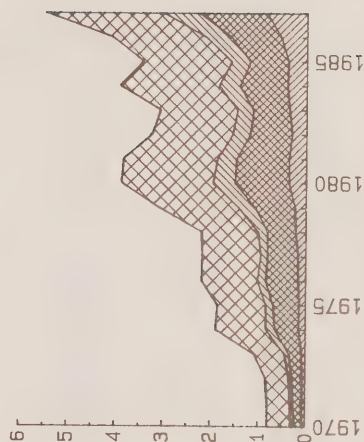
# EXPORTS BY TRADE AREA

Billions of dollars

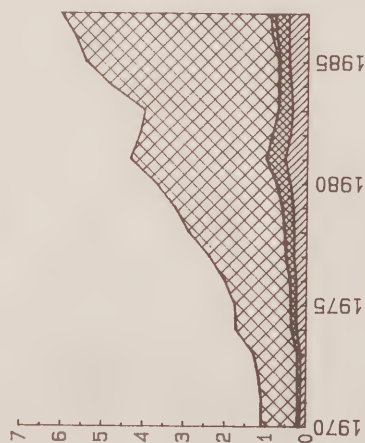
## SOFTWOOD LUMBER



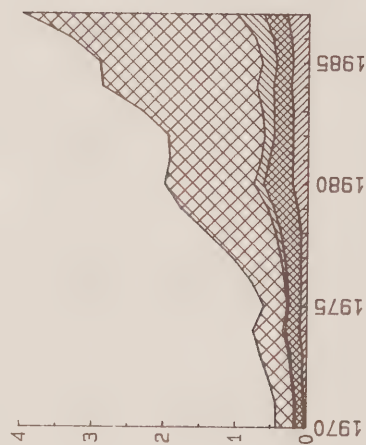
## WOOD PULP



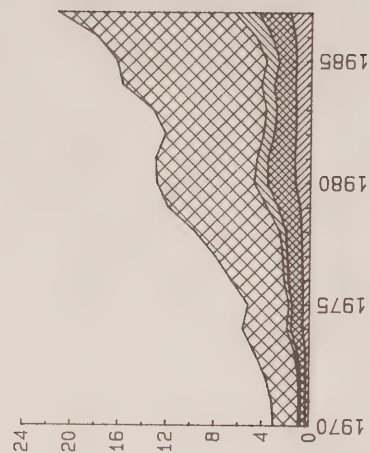
## NEWSPRINT



## OTHER FOREST PRODUCTS



## TOTAL FOREST PRODUCTS



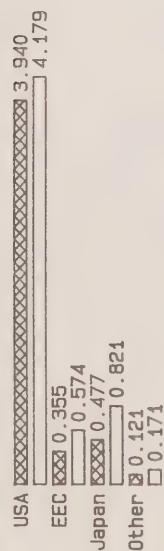
**Figure 18.** Exports of Canadian forest products by commodity group and principal trade area, 1970-1987.

Source: Statistics Canada, Cat. No. 65-202.

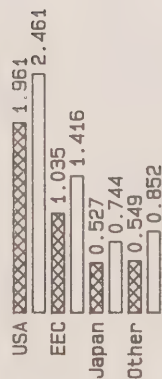
# EXPORTS

Billions of dollars

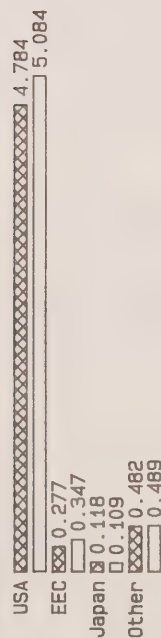
## Softwood lumber



## Wood pulp



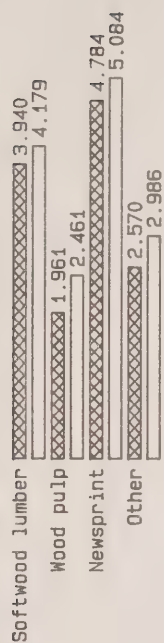
## Newsprint



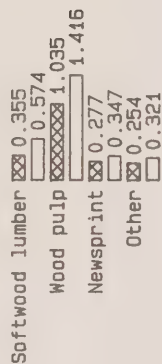
## Other forest products



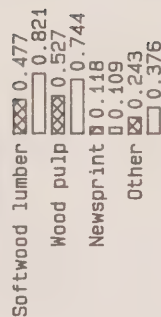
## USA



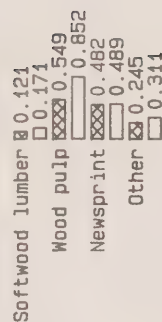
## EEC



## Japan



## Other countries



**Figure 19.** Exports of Canadian forest products by commodity group and principal trade area, 1986-1987.

1986 ~~XXXX~~ 1987 ☐

Source: Statistics Canada, Cat. No. 65-202 and special compilation.



III - 16. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>b</sup>, 1987

Trade area <sup>b</sup>	Primary wood products		Wood-fabricated materials		Paper products			Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
\$000								
United States	22 213	99 613	4 179 019	5 251 691	2 461 357	5 084 171	6 896 842	14 709 503
Central America	1	910	24 305	27 294	35 300	86 499	149 052	212 555
Mexico	-	10	2	171	33 762	7 942	8 459	42 401
South America	-	-	437	1 129	77 955	154 643	171 828	250 913
Brazil	-	-	-	19	5 952	49 752	49 889	55 860
Chile	-	-	35	280	-	-	678	958
Venezuela	-	-	-	281	61 657	35 974	43 189	105 127
Africa	-	-	19 060	22 073	12 697	15 052	28 911	63 681
Algeria	-	-	15 492	15 492	-	1 284	1 294	16 786
Morocco	-	-	-	16	-	162	162	178
Middle East - Africa	-	-	3 429	3 603	2 459	13 592	13 927	19 990
Europe	804	13 378	578 820	745 942	1 491 269	346 702	503 610	2 754 200
Western Europe	804	13 378	578 787	745 487	1 485 262	346 702	503 145	2 747 271
Economic Community	804	9 653	574 269	733 472	1 415 720	346 627	498 827	2 657 671
Belgium-Luxembourg	-	17	55 601	71 323	119 851	3 861	50 930	242 121
Denmark	-	-	468	3 204	2 843	278	361	6 407
France	614	3 016	49 986	61 940	163 474	20 593	24 511	252 940
Germany, Fed. Rep.	-	945	58 118	82 177	414 911	84 822	90 918	588 951
Greece	-	-	278	1 279	13 406	-	491	15 176
Ireland	-	-	8 748	12 483	9 174	2 884	4 025	25 683
Italy	190	5 464	32 837	43 225	289 214	9 426	13 032	350 934
Netherlands	-	-	9 097	13 829	99 893	23 970	27 149	140 871
Portugal	-	89	-	185	554	2 465	4 409	5 237
Spain	-	102	4 409	6 564	36 599	2 911	3 525	46 789
United Kingdom	-	22	354 727	437 262	265 802	195 416	279 477	982 562
Scandinavia	-	3 563	281	6 564	19 769	-	2 339	32 235
Finland	-	-	-	1 626	8 282	-	1 126	11 035
Norway	-	400	18	1 800	-	-	143	2 343
Sweden	-	3 163	263	3 138	11 487	-	1 069	18 857
Other Western Europe	-	162	4 238	5 451	49 774	75	1 979	57 366
Eastern Europe	-	-	33	456	6 007	-	466	6 929
USSR	-	-	-	357	22 996	-	8	23 362
Asia	50 428	349 033	850 956	895 244	1 299 646	273 484	426 274	2 970 197
China, People's Rep.	-	19 962	9 875	10 044	149 664	41 628	70 071	249 741
Hong Kong	-	-	445	3 017	30 692	25 827	40 273	73 981
India	-	181	132	136	43 956	30 727	30 970	75 243
Japan	50 358	312 892	821 838	848 470	744 307	109 243	144 316	2 049 985
Korea, Rep. of (South)	70	12 642	3 302	6 574	117 895	-	10 519	147 630
Middle East - Asia	-	2 412	13 293	16 270	15 132	1 917	17 646	51 461
Southeast Asia	-	321	60	639	109 061	41 487	80 892	190 913
Taiwan	-	622	2 012	9 985	77 419	20 547	27 611	115 638
Oceania	-	75	92 004	94 763	71 684	68 021	87 673	254 195
Australia	-	-	82 633	84 848	71 684	62 488	80 580	237 111
New Zealand	-	75	9 213	9 652	-	4 490	5 550	15 278
World	73 446	463 018	5 745 025	7 040 069	5 473 035	6 028 589	8 265 164	21 241 286

<sup>a</sup>Excluding re-exports.

<sup>b</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.



III - 17. DOMESTIC EXPORTS<sup>a</sup> OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>b</sup>, 1987

Trade area <sup>b</sup>	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m <sup>3</sup>	t	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	t	t	t
United States	853 745	373 373	34 085 968	35 601 114	2 009 852	3 760 271	7 258 932	9 326 017
Central America	-	17	180 801	112 775	1 719	57 555	151 222	247 626
Mexico	-	-	24	-	-	55 396	10 084	10 381
South America	-	-	1 239	-	115	120 952	276 813	307 178
Brazil	-	-	-	-	-	9 581	89 787	89 952
Chile	-	-	116	-	115	-	-	882
Venezuela	-	-	-	-	-	93 972	67 176	77 728
Africa	-	-	129 422	2 072	4 201	19 923	26 462	43 367
Algeria	-	-	102 469	-	-	-	2 886	2 900
Morocco	-	-	-	-	-	-	195	195
Middle East - Africa	-	-	26 047	-	145	4 005	23 362	23 646
Europe	324 460	7 865	3 174 693	472 031	330 209	2 175 520	508 207	761 010
Western Europe	324 460	7 865	3 174 634	472 031	329 787	2 168 021	508 207	761 010
Economic Community	199 556	7 865	3 164 591	463 809	319 037	2 065 407	508 142	755 269
Belgium-Luxembourg	122	-	232 581	20 095	29 155	165 857	4 822	102 889
Denmark	-	-	1 659	1 979	4 918	4 426	377	429
France	32 817	5 635	289 620	71 591	19 362	236 716	21 764	25 325
Germany, Fed. Rep.	7 175	-	128 920	229 452	38 939	604 762	131 079	138 874
Greece	-	-	864	-	1 133	18 952	-	518
Ireland	-	-	54 543	-	6 640	10 555	3 837	4 388
Italy	158 781	2 230	82 010	3 010	23 087	421 675	15 443	20 158
Netherlands	-	-	32 111	18 144	15 012	152 938	29 813	35 033
Portugal	86	-	-	-	183	711	4 257	7 507
Spain	494	-	11 402	-	2 644	52 228	5 109	5 449
United Kingdom	82	-	2 330 880	119 538	177 963	396 589	291 641	414 701
Scandinavia	123 712	-	1 003	-	9 512	30 262	-	3 485
Finland	-	-	-	-	2 537	12 630	-	1 851
Norway	-	-	33	-	3 444	-	-	41
Sweden	123 712	-	970	-	3 531	17 633	-	1 593
Other Western Europe	1 191	-	9 040	8 222	1 238	72 352	65	2 256
Eastern Europe	-	-	59	-	422	7 499	-	-
USSR	-	-	-	-	-	31 569	-	4
Asia	3 219 304	522 906	3 383 055	25 065	89 850	1 970 944	429 363	681 132
China, People's Rep.	387 179	-	75 212	-	190	223 070	77 980	138 922
Hong Kong	-	-	3 028	-	3 207	42 407	39 019	58 139
India	1 522	-	1 928	-	-	78 408	51 448	51 448
Japan	2 510 935	521 423	3 141 711	15 208	58 931	1 130 314	152 059	215 184
Korea, Rep. (South)	272 424	1 483	11 381	7 488	7 873	175 641	-	13 206
Middle East - Asia	39 647	-	143 531	-	2 572	22 431	2 121	27 645
Southeast Asia	1 436	-	186	1 858	875	158 967	71 730	127 581
Taiwan	6 160	-	6 079	511	16 202	123 147	31 814	42 183
Oceania	154	-	337 971	116 556	3 628	104 652	120 598	128 113
Australia	-	-	321 026	86 158	3 280	104 652	111 597	118 281
New Zealand	154	-	16 067	22 687	264	-	7 580	7 894
World	4 397 662	904 161	41 296 384	36 330 431	2 440 168	8 241 568	8 771 618	11 494 657

<sup>a</sup>Excluding re-exports.

<sup>b</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 18. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1987

Trade area <sup>a</sup>	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
\$000								
United States	6 470	203 263	139 422	718 646	107 942	-	1 141 374	2 171 225
Central America	-	-	-	1 692	1	-	1 978	3 671
Mexico	-	-	-	708	-	-	1 831	2 539
South America	-	6	-	15 978	5 435	-	14 033	35 452
Brazil	-	-	-	13 587	5 435	-	13 743	32 764
Chile	-	-	-	217	-	-	258	475
Venezuela	-	6	-	-	-	-	-	6
Africa	-	-	-	745	-	-	9	755
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	17	-	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	8	1 525	12	28 830	3 528	-	274 336	308 219
Western Europe	8	1 525	12	28 695	3 528	-	273 983	307 731
Economic Community	8	23	7	22 190	2 515	-	175 752	200 480
Belgium-Luxembourg	-	-	-	517	-	-	3 618	4 135
Denmark	-	-	-	1 770	-	-	933	2 703
France	-	11	-	467	-	-	45 692	46 170
Germany, Fed. Rep.	8	12	-	3 579	-	-	43 324	46 915
Greece	-	-	-	14	-	-	-	14
Ireland	-	-	-	-	-	-	19	19
Italy	-	-	-	6 208	-	-	4 552	10 760
Netherlands	-	-	-	555	-	-	20 673	21 229
Portugal	-	-	-	6 127	461	-	23	6 611
Spain	-	-	-	1 083	2 054	-	4 648	7 784
United Kingdom	-	-	7	1 869	-	-	52 270	54 139
Scandinavia	-	1 493	5	6 158	1 013	-	92 277	100 941
Finland	-	1 493	-	3 336	268	-	65 763	70 861
Norway	-	-	-	94	-	-	272	367
Sweden	-	-	5	2 727	745	-	26 242	29 713
Other Western Europe	-	9	-	347	-	-	5 954	6 310
Eastern Europe	-	-	-	135	-	-	353	488
USSR	-	-	-	935	-	-	-	935
Asia	-	175	7	103 876	-	-	33 123	137 173
China, People's Rep.	-	-	-	999	-	-	1 582	2 581
Hong Kong	-	-	-	3 538	-	-	2 218	5 756
India	-	-	-	82	-	-	18	100
Japan	-	-	-	1 968	-	-	24 401	23 369
Korea, Rep. of (South)	-	-	-	7 228	-	-	3 753	10 981
Middle East - Asia	-	-	-	19	-	-	-	19
Southeast Asia	-	-	7	64 157	-	-	659	64 816
Taiwan	-	89	-	25 449	-	-	3 490	29 028
Oceania	-	-	-	182	-	-	233	415
Australia	-	-	-	45	-	-	38	83
New Zealand	-	-	-	137	-	-	194	332
World	6 479	204 969	139 441	870 884	142 687	-	1 465 085	2 683 626

<sup>a</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1987

Trade area <sup>a</sup>	Primary wood products		Wood-fabricated materials			Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m <sup>3</sup>	t	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	t	t	t
United States	3 838 161	108 249	740 092	-	1 087 899	154 274	-	644 339
Central America	-	-	-	-	553	-	-	1 529
Mexico	-	-	-	-	57	-	-	1 529
South America	361	-	-	-	52 229	7 235	-	27 867
Brazil	-	-	-	-	49 323	7 235	-	26 942
Chile	-	-	-	-	69	-	-	822
Venezuela	361	-	-	-	-	-	-	-
Africa	-	-	-	-	1 074	-	-	10
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	227	110	229	-	10 217	4 995	-	167 187
Western Europe	227	110	229	-	10 217	4 995	-	166 280
Economic Community	149	110	97	-	5 967	3 606	-	75 623
Belgium-Luxembourg	-	-	-	-	146	-	-	862
Denmark	-	-	-	-	1 045	-	-	34
France	118	-	-	-	18	-	-	23 499
Germany, Fed. Rep.	32	110	-	-	790	-	-	16 117
Greece	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-
Italy	-	-	-	-	743	-	-	1 791
Netherlands	-	-	-	-	1 794	-	-	12 876
Portugal	-	-	-	-	1 076	588	-	3
Spain	-	-	-	-	147	3 018	-	3 020
United Kingdom	-	-	97	-	208	-	-	17 421
Scandinavia	-	-	132	-	4 118	1 389	-	87 374
Finland	-	-	-	-	1 370	390	-	72 403
Norway	-	-	-	-	76	-	-	94
Sweden	-	-	132	-	2 672	999	-	14 878
Other Western Europe	77	-	-	-	133	-	-	3 283
Eastern Europe	-	-	-	-	-	-	-	906
USSR	-	-	-	-	2 055	-	-	-
Asia	177	-	68	-	123 090	-	-	9 949
China, People's Rep.	-	-	-	-	550	-	-	1 129
Hong Kong	-	-	-	-	3 710	-	-	6
India	-	-	-	-	-	-	-	-
Japan	-	-	-	-	745	-	-	4 941
Korea, Rep. of (South)	-	-	-	-	566	-	-	2 027
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	-	-	68	-	99 526	-	-	1 670
Taiwan	-	-	-	-	17 495	-	-	177
Oceania	-	-	-	-	193	-	-	132
Australia	-	-	-	-	179	-	-	-
New Zealand	-	-	-	-	14	-	-	132
World	3 838 926	108 359	740 390	-	1 277 312	204 543	-	851 014

<sup>a</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 20. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1987

Trade area <sup>a</sup>	Primary wood products		Wood-fabricated materials		Paper products			Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
\$000								
United States	15 743	-103 634 <sup>b</sup>	4 041 505	4 541 946	2 353 886	5 084 243	5 774 974	12 567 177
Central America	1	910	24 312	25 921	35 298	86 499	147 458	209 587
Mexico	-	10	2	-537	33 762	7 942	6 701	39 935
South America	-	-6	437	-14 813	72 520	154 643	157 815	215 517
Brazil	-	-	-	-13 568	517	49 752	36 146	23 096
Chile	-	-	35	86	-	-	440	526
Venezuela	-	-6	-	281	61 657	35 974	43 189	105 121
Africa	-	-	19 060	21 527	12 697	15 052	28 906	63 129
Algeria	-	-	15 492	15 492	-	1 284	1 294	16 786
Morocco	-	-	-	-1	-	162	162	162
Middle East - Africa	-	-	3 429	3 603	2 459	13 592	13 927	19 990
Europe	795	14 975	579 304	788 217	1 488 033	346 705	230 102	2 521 327
Western Europe	795	14 975	579 272	787 897	1 482 026	346 705	229 989	2 514 886
Economic Community	795	12 671	574 693	776 250	1 413 497	346 630	323 895	2 526 314
Belgium-Luxembourg	-	159	55 612	80 289	119 851	3 861	47 430	247 728
Denmark	-	-	482	2 345	2 843	278	-564	4 623
France	614	4 651	49 986	74 019	163 474	20 593	-20 891	221 254
Germany, Fed. Rep.	-8	2 105	58 129	91 451	415 072	84 825	47 748	556 376
Greece	-	-	278	1 575	13 406	-	491	15 472
Ireland	-	-	8 748	13 036	9 174	2 884	4 021	26 231
Italy	190	5 544	32 837	41 500	289 214	9 426	8 480	344 738
Netherlands	-	-	9 097	22 279	99 893	23 970	6 488	128 660
Portugal	-	89	-	-5 932	93	2 465	4 386	-1 365
Spain	-	102	4 409	6 057	34 545	2 911	-1 116	39 587
United Kingdom	-	22	355 115	449 633	265 933	195 416	227 422	943 010
Scandinavia	-	2 070	276	5 892	18 755	-	-89 932	-63 215
Finland	-	-1 493	-	-424	8 014	-	-64 636	-58 538
Norway	-	400	18	2 335	-	-	-129	2 606
Sweden	-	3 163	258	3 979	10 742	-	-25 168	-7 284
Other Western Europe	-	234	4 303	5 755	49 774	75	-3 974	51 788
Eastern Europe	-	-	33	320	6 007	-	113	6 441
USSR	-	-	-	-577	22 996	-	8	22 427
Asia	50 919	350 062	850 992	797 770	1 299 701	273 485	393 607	2 841 141
China, People's Rep.	-	19 962	9 875	9 045	149 664	41 628	68 489	247 160
Hong Kong	-	-	445	-481	30 692	25 827	38 093	68 304
India	-	181	132	54	43 956	30 727	30 952	75 143
Japan	50 849	313 509	821 878	851 347	744 307	109 244	123 205	2 032 367
Korea, Rep. of (South)	70	12 917	3 302	-434	117 895	-	6 793	137 170
Middle East - Asia	-	2 412	13 297	16 645	15 132	1 917	17 660	51 849
Southeast Asia	-	457	52	-63 414	109 061	41 487	80 308	126 412
Taiwan	-	709	2 012	-14 662	77 474	20 547	24 133	87 654
Oceania	-	75	92 049	94 683	71 684	68 021	87 459	253 901
Australia	-	-	82 678	84 892	71 684	62 488	80 560	237 136
New Zealand	-	75	9 213	9 528	-	4 490	5 356	14 959
World	67 458	262 392	5 608 084	6 256 250	5 331 165	6 028 664	6 821 294	18 671 100

<sup>a</sup>See Section X.B, for details on groupings of trade areas used in this table.<sup>b</sup>The - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 21. BALANCE OF TRADE OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA<sup>a</sup>, 1987

Trade area <sup>a</sup>	Primary wood products		Wood-fabricated materials					Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total	
	m <sup>3</sup>	t	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	t	t	t	
United States	-2 984 312	265 123	33 354 239	35 645 754	927 857	3 606 480	7 259 022	8 685 498	
Central America	-	17	180 832	112 775	1 497	57 555	151 222	246 097	
Mexico	-	-	24	-	-57	55 396	10 084	8 852	
South America	-361	-	1 239	-	-52 102	113 717	276 813	279 316	
Brazil	-	-	-	-	-49 323	2 346	89 787	63 010	
Chile	-	-	116	-	46	-	-	64	
Venezuela	-361	-	-	-	-	93 972	67 176	77 728	
Africa	-	-	129 422	2 072	3 485	19 923	26 462	43 359	
Algeria	-	-	102 469	-	-	-	2 886	2 900	
Morocco	-	-	-	-	-	-	195	195	
Middle East - Africa	-	-	26 047	-	145	4 005	23 362	23 646	
Europe	339 852	7 755	3 177 001	472 031	434 632	2 170 538	508 219	594 072	
Western Europe	339 852	7 755	3 176 942	472 031	434 210	2 163 039	508 219	594 978	
Economic Community	214 890	7 755	3 166 878	463 809	420 180	2 061 814	508 154	679 895	
Belgium-Luxembourg	1 264	-	232 644	20 095	46 346	165 857	4 822	102 038	
Denmark	-	-	1 682	1 979	5 128	4 426	377	395	
France	42 208	5 635	289 620	71 591	38 322	236 716	21 764	1 935	
Germany, Fed. Rep.	11 868	-110	128 950	229 452	59 094	604 767	131 091	122 840	
Greece	-	-	864	-	1 664	18 952	-	518	
Ireland	-	-	54 543	-	7 383	10 555	3 837	4 388	
Italy	158 889	2 230	82 010	3 010	31 973	421 675	15 443	18 368	
Netherlands	-	-	32 111	18 144	27 501	152 938	29 813	22 156	
Portugal	86	-	-	-	-857	123	4 257	7 504	
Spain	494	-	11 402	-	3 822	49 210	5 109	2 428	
United Kingdom	82	-	2 333 049	119 538	199 806	396 596	291 641	397 327	
Scandinavia	123 712	-	871	-	12 195	28 873	-	-83 889	
Finland	-	-	-	-	2 866	12 240	-	-70 552	
Norway	-	-	33	-	4 143	-	-	-53	
Sweden	123 712	-	838	-	5 186	16 633	-	-13 285	
Other Western Europe	1 250	-	9 194	8 222	1 835	72 352	65	-1 027	
Eastern Europe	-	-	59	-	422	7 499	-	-906	
USSR	-	-	-	-	-2 055	31 569	-	4	
Asia	3 224 128	528 137	3 383 088	25 065	-24 776	1 971 042	429 364	671 199	
China, People's Rep.	387 179	-	75 212	-	-360	223 070	77 980	137 793	
Hong Kong	-	-	3 028	-	-502	42 407	39 019	58 133	
India	1 522	-	1 928	-	-	78 408	51 448	51 448	
Japan	2 512 584	526 653	3 141 801	15 208	64 230	1 130 314	152 060	210 244	
Korea, Rep. of (South)	274 861	1 483	11 381	7 488	7 634	175 641	-	11 179	
Middle East - Asia	39 647	-	143 543	-	3 095	22 431	2 121	27 645	
Southeast Asia	2 034	-	118	1 858	-98 543	158 967	71 730	125 926	
Taiwan	6 478	-	6 079	511	167	123 245	31 814	42 006	
Oceania	154	-	338 078	116 556	3 577	104 652	120 598	127 981	
Australia	-	-	321 132	86 158	3 176	104 652	111 597	118 281	
New Zealand	154	-	16 067	22 687	316	-	7 580	7 762	
World	579 461	801 033	40 567 132	36 375 071	1 292 709	8 037 619	8 771 720	10 647 736	

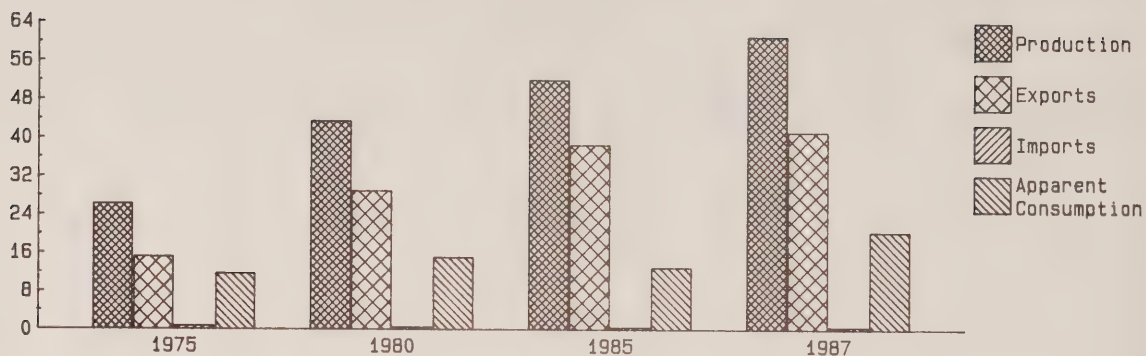
<sup>a</sup>See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.



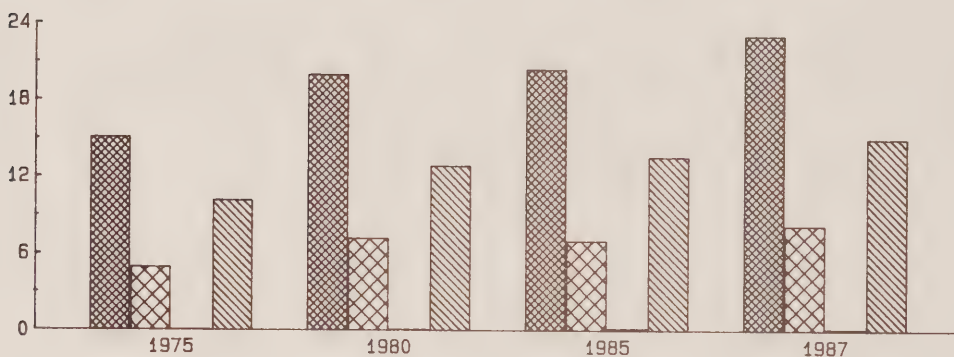
### SOFTWOOD LUMBER

Millions of cubic metres



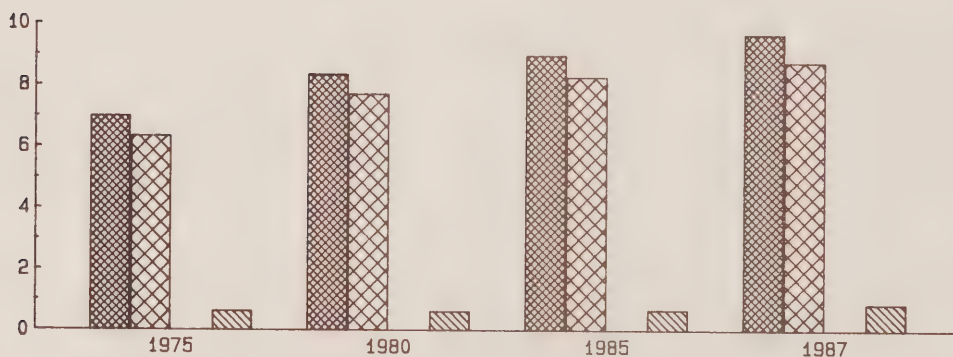
### WOOD PULP

Millions of tonnes



### NEWSPRINT

Millions of tonnes



**Figure 20.** Production, trade and apparent domestic consumption of selected forest products, 1975-1987.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.



## SECTION IV

### PRINCIPAL STATISTICS

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

**Establishments** providing data for the Census of Manufactures are classified according to the Standard Industrial Classification (SIC) system. Data are assigned to the various industries on the basis of the principal activity of the establishment.

This **classification system** is revised every 10 years and commencing with the 1983 data year, the Census of Manufactures has been compiled according to the 1980 version of the SIC.

In this section, 1970-1981 data have been compiled according to the 1970 version of the SIC and 1982-1986 according to the 1980 version.

**Detailed definitions** of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The **headings** used in the principal statistics tables are **briefly described** in section X.A, "User's guide - Definition of terms." For detailed definitions and some qualifications to the preceding explanations, see "Concepts and Definitions of the Census of Manufactures," Catalogue 31-528.

## IV - 1. FOREST INDUSTRIES BY SECTOR, 1986

Sector	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	1 000	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000	Total value added
Logging	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297	
Wood industries	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523	
Paper and allied industries	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917	
<b>Total forest industries (A)</b>	<b>8 276</b>	<b>224 630</b>	<b>457 432</b>	<b>6 313</b>	<b>2 270</b>	<b>19 272</b>	<b>38 276</b>	<b>16 668</b>	<b>273 789</b>	<b>8 172</b>	<b>16 737</b>	
<b>Total manufacturing industries</b>	<b>38 380</b>	<b>1 351 563</b>	<b>2 852 526</b>	<b>33 083</b>	<b>7 032</b>	<b>143 336</b>	<b>253 411</b>	<b>102 429</b>	<b>1 808 716</b>	<b>48 749</b>	<b>107 550</b>	
<b>Logging and manufacturing industries (B)</b>	<b>42 380</b>	<b>1 392 425</b>	<b>2 927 538</b>	<b>34 208</b>	<b>7 252</b>	<b>146 591</b>	<b>259 187</b>	<b>104 689</b>	<b>1 854 476</b>	<b>50 062</b>	<b>109 847</b>	
Percentage A from B	19.5	16.1	15.6	18.5	31.3	13.1	14.8	15.9	14.8	16.3	15.2	

<sup>a</sup>Excluding 2366 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

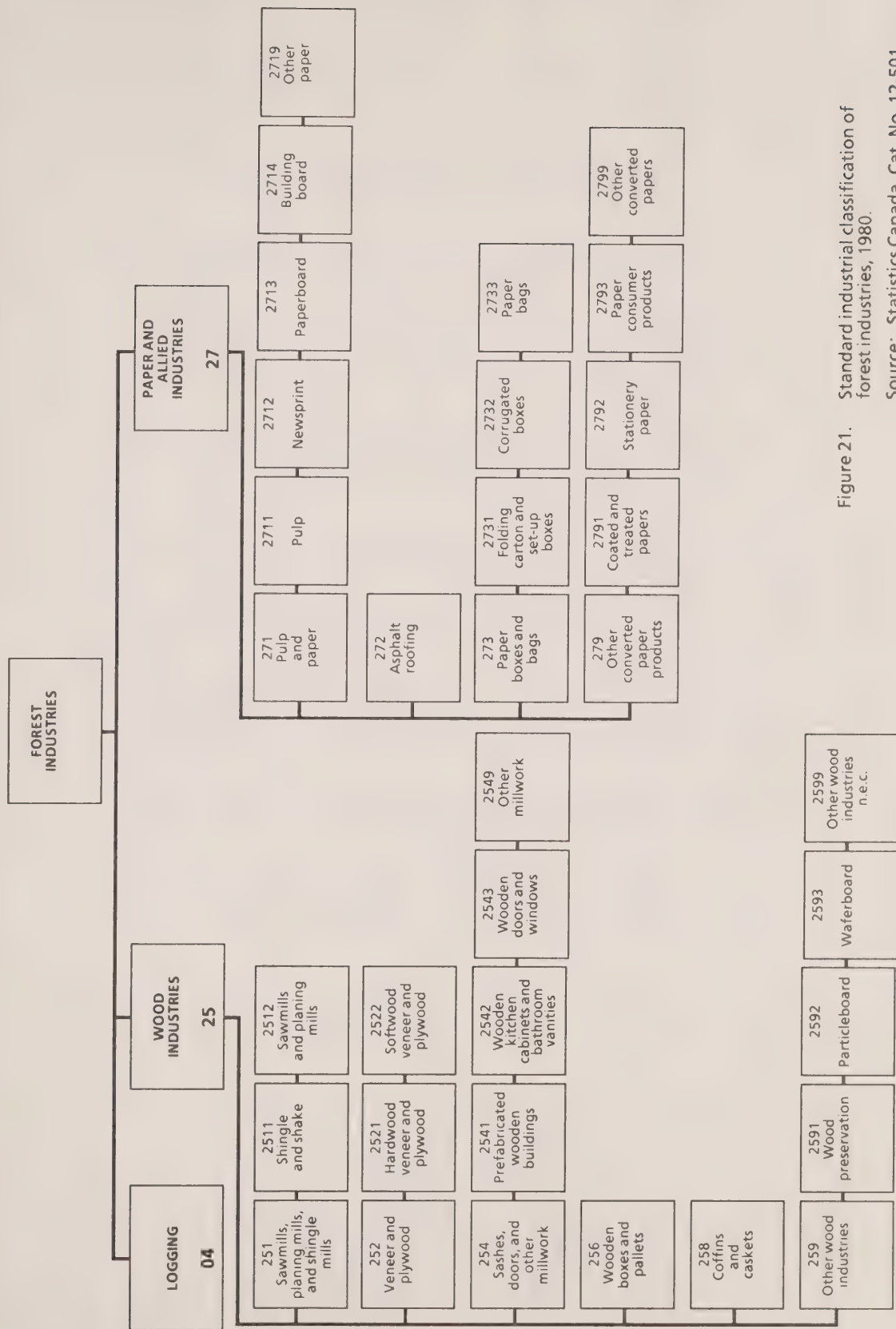


Figure 21. Standard industrial classification of forest industries, 1980.

Source: Statistics Canada, Cat. No. 12-501.

## IV - 2. WOOD INDUSTRIES, 1986

Sector	Manufacturing activity										Total activity	
	S.I.C. b	Estab- lishments	Production and related workers					Total employees <sup>a</sup>				
			Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added	
												1 000
Sawmill, planing mill, and shingle mill products	251	1 294	50 708	103 676	1 401	241	4 104	7 618	3 295	59 238	1 723	3 303
Shingle and shake industry	2 511	134	2 405	4 285	55	5	138	231	86	2 550	60	87
Sawmills and planing mills	2 512	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216
Veneer and plywood industry	252	78	7 679	14 476	185	30	455	916	434	8 780	225	439
Sash, door, and other millwork	254	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229
Prefabricated wooden building industry	2 541	89	2 059	4 322	38	3	193	311	117	2 857	63	136
Wooden kitchen cabinet, bathroom vanity industry	2 542	747	8 073	16 772	150	8	283	624	335	9 305	185	334
Wooden door and window ind.	2 543	386	8 976	19 196	173	13	569	1 023	450	10 849	232	460
Other millwork industries	2 549	377	6 797	14 545	133	11	333	631	293	7 681	160	299
Wooden box and pallet industry	256	206	2 676	5 443	43	5	120	218	93	3 084	54	95
Coffin and casket industry	258	27	622	1 316	12	1	19	43	24	717	15	24
Other wood industries	259	374	7 298	15 536	160	40	583	1 049	433	8 455	200	435
Wood preservation	2 591	59	1 190	2 328	28	6	174	250	74	1 490	39	78
Particleboard	2 592	25	1 541	3 539	42	14	154	296	128	1 911	55	126
Waferboard	2 593	11	1 182	2 572	36	14	118	248	117	1 393	44	115
Other wood industries	2 599	279	3 385	7 097	54	6	137	255	114	3 661	62	116
Wood industries	25	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523

<sup>a</sup>Excluding 769 working owners and partners.<sup>b</sup>1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 35-250.

## IV - 3. PAPER AND ALLIED INDUSTRIES, 1986

Sector	Manufacturing activity							Total activity				
	S.I.C. <sup>b</sup>	Estab-lishments	Production and related workers				Value added	Number	\$000 000	Total employees <sup>a</sup>	Salaries and wages	Total value added
			Person-hours paid	Wages	Fuel and electricity	Materials and supplies						

<sup>a</sup>Excluding 21 working owners and partners.  
<sup>b</sup>1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 36-250.

IV - 4. FOREST INDUSTRIES SUMMARY<sup>a</sup>, 1965-1986

Year	Manufacturing activity										Total activity	
	Estab- lishments	Production and related workers									Total employees <sup>b</sup>	Total value added
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000		
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349	2 581	
1970	6 613	210 714	453 298	1 475	279	3 782	7 264	3 224	261 139	1 942	3 313	
1971	6 242	208 625	445 902	1 592	318	4 006	7 731	3 433	258 839	2 090	3 519	
1972	6 533	219 284	467 590	1 810	347	4 628	9 091	4 090	271 010	2 364	4 213	
1973	6 840	237 514	500 889	2 155	398	5 844	11 431	5 387	292 324	2 793	5 562	
1974	7 010	239 726	505 789	2 511	570	6 947	14 033	6 772	297 386	3 281	6 937	
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336	6 286	
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064	7 428	
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482	8 234	
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076	9 762	
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680	11 830	
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180	12 285	
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624	12 295	
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315	10 234	
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987	12 085	
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381	13 734	
1985	7 903	218 198	450 073	6 003	2 419	17 935	34 659	14 346	267 709	7 779	14 399	
1986	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172	16 737	

<sup>a</sup>Logging, wood industries, and paper and allied industries.<sup>b</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.



IV - 5. FOREST INDUSTRIES SUMMARY BY PROVINCE, 1986

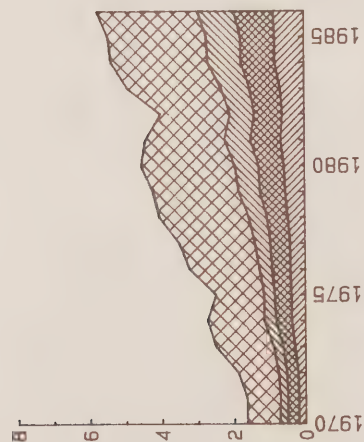
Province or territory	Estab-lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
											1 000		
Nfld.	127	x	x	x	x	x	x	x	x	x	x	x	x
P.E.I.	31	174	342	2	--	8	13	4	225	4	8	8	8
N.S.	314	5 218	10 987	121	74	380	825	368	6 435	165	369	369	369
N.B.	405	11 165	23 375	303	190	1 002	1 931	729	13 526	390	724	724	724
Que.	2 144	67 753	140 172	1 759	724	5 189	10 793	4 808	84 724	2 343	4 847	4 847	4 847
Ont.	1 797	61 799	130 088	1 646	509	5 264	10 030	4 311	75 808	2 168	4 337	4 337	4 337
Man.	156	3 338	6 972	76	25	251	508	227	4 082	102	229	229	229
Sask.	152	x	x	x	x	x	x	x	x	x	x	x	x
Alta.	379	7 232	14 757	206	42	638	1 207	530	8 828	264	545	545	545
B.C.	2 771	63 220	120 989	2 066	627	6 136	12 120	5 341	74 306	2 567	5 323	5 323	5 323
Yukon and N.W.T.	-	-	1	1	-	-	1	-	-	1	-	-	-
Total	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172	16 737	16 737	16 737

<sup>a</sup>Excluding 2366 working owners and partners.

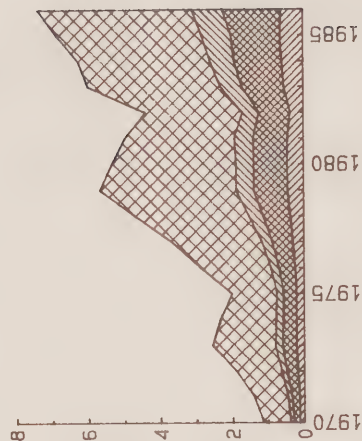
Source: Statistics Canada Cat. No. 25-201 and 25-202.

# **VALUE OF SHIPMENTS** Billions of dollars

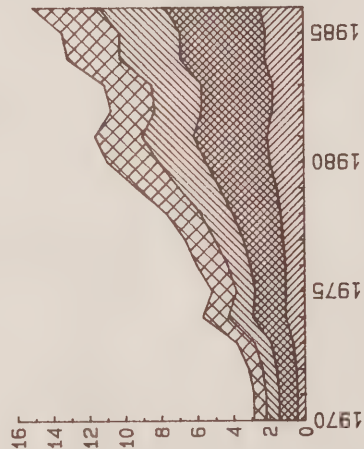
## **LOGGING**



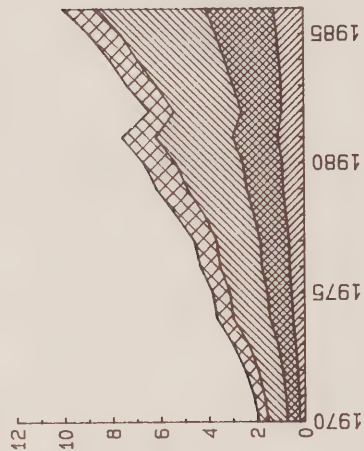
## **SAWMILLS AND PLANING MILLS**



## **PULP AND PAPER MILLS**



## **OTHER FOREST INDUSTRIES**



## **TOTAL FOREST INDUSTRIES**



**Figure 22.** Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 6. LOGGING BY PROVINCE, 1986

Province or territory	Estab- lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Salaries and wages value added
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000				
										1 000			
Nfld.	63	925	1 775	20	4	61	95	32	1 067	26	33		
P.E.I.	9	18	27	--	--	--	1	--	18	--	1		
N.S.	172	1 048	1 925	17	4	107	147	37	1 246	24	40		
N.B.	232	2 512	5 060	56	18	223	365	127	2 970	70	128		
Atlantic provinces	476	4 503	8 787	93	26	391	608	196	5 301	120	202		
Que.	809	9 027	17 230	222	45	549	1 096	452	10 363	268	464		
Ont.	570	7 419	14 551	230	50	537	1 015	447	8 527	272	456		
Man.	38	289	612	9	1	34	54	18	352	12	17		
Sask.	76	421	660	10	4	51	91	34	506	13	36		
Alta.	124	754	1 406	24	5	61	114	47	863	29	46		
Prairies	238	1 464	2 678	43	10	146	259	99	1 721	54	99		
B.C.	1 907	18 449	31 765	537	90	1 633	2 796	1 066	19 848	600	1 076		
Yukon and N.W.T.	-	-	1	1	-	-	1	-	-	1	-		
Total	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297		

<sup>a</sup>Excluding 1576 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

## IV - 7. WOOD INDUSTRIES BY PROVINCE, 1986

Province or territory	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	1 000	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added	
							\$000 000			Number	\$000 000	
Nfld.	56	296	624	5	1	15	23	7	399	5	8	
P.E.I.	22	156	315	2	--	8	12	4	207	4	7	
N.S.	127	1 762	3 834	28	5	78	148	67	2 053	35	70	
N.B.	154	3 712	8 047	71	14	232	401	155	4 205	85	156	
Atlantic provinces	359	5 926	12 820	106	20	333	584	233	6 864	129	241	
Que.	1 127	27 035	56 514	526	83	1 686	3 049	1 268	31 891	660	1 284	
Ont.	898	22 598	48 409	471	66	1 351	2 485	1 084	25 852	583	1 091	
Man.	96	1 871	3 761	34	3	93	184	87	2 223	46	88	
Sask.	71	1 024	2 080	24	6	76	137	59	1 264	31	58	
Alta.	225	4 731	9 635	125	19	335	640	295	5 668	157	313	
Prairies	392	7 626	15 476	183	28	504	961	441	9 155	234	459	
B.C.	802	31 703	62 062	1 009	153	2 785	5 354	2 447	37 204	1 250	2 448	
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	
Total	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523	

<sup>a</sup>Excluding 769 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 8. PAPER AND ALLIED INDUSTRIES BY PROVINCE, 1986

Province or territory	Estab-lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
Nfld.	8	x	x	x	x	x	x	x	x	x	x	x	
P.E.I.	-	-	-	-	-	-	-	-	-	-	-	-	
N.S.	15	2 408	5 228	76	65	195	530	264	3 136	106	259	259	
N.B.	19	4 941	10 268	176	158	547	1 165	447	6 351	235	440	440	
Que.	208	31 691	66 428	1 011	596	2 954	6 648	3 088	42 470	1 415	3 099	3 099	
Ont.	329	31 782	67 128	945	393	3 376	6 530	2 780	41 429	1 313	2 790	2 790	
Man.	22	1 178	2 599	33	21	124	270	122	1 507	44	124	124	
Sask.	5	x	x	x	x	x	x	x	x	x	x	x	
Alta.	30	1 747	3 716	57	18	242	453	188	2 297	78	186	186	
B.C.	62	13 068	27 162	520	384	1 718	3 970	1 828	17 254	717	1 799	1 799	
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	-	
Total	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917	8 917	

<sup>a</sup>Excluding 21 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.



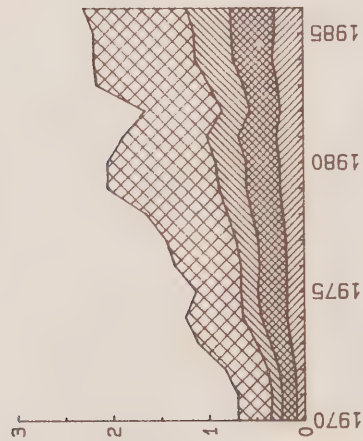


IV - 10. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY BY PROVINCE, 1986

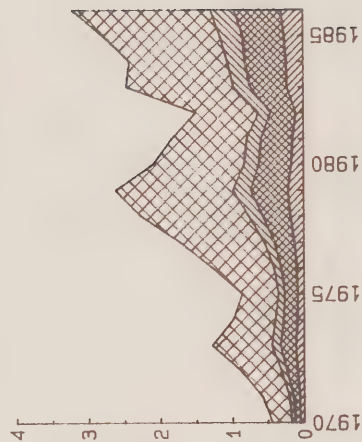
Province or territory	Value added, manufacturing activity										Value added, total activity					
	Industrial roundwood production	Wood industries			Paper and allied industries			Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Paper and allied industries	Total	Total forest industries	
		Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries										
1 000 m <sup>3</sup>	\$000 000					%					\$000 000					%
Nfld.	1 966	5	7	x	x	x	33	5	8	x	x	x	x	x	x	x
P.E.I.	160	1	4	x	-	4	1	1	7	x	x	-	8	--	--	--
N.S.	3 533	37	67	238	264	368	40	40	70	233	259	233	259	369	2.2	2.2
N.B.	8 380	127	155	433	447	729	128	92	156	427	440	427	440	724	4.3	4.3
Atlantic provinces	14 039	196	233	x	x	x	202	138	241	x	x	x	x	x	x	x
Que.	32 526	452	647	2 547	3 088	4 808	464	652	1 284	2 547	3 099	4 847	3 099	4 847	29.0	29.0
Ont.	27 859	447	322	1 084	2 780	4 311	456	323	1 091	1 680	2 790	4 337	2 790	4 337	25.9	25.9
Man.	1 590	18	9	87	x	227	17	9	88	x	124	229	124	229	1.4	1.4
Sask.	3 339	34	21	59	x	x	36	21	58	x	x	x	x	x	x	x
Alta.	10 298	47	146	295	188	530	46	145	313	x	186	545	186	545	3.3	3.3
Prairies	15 227	99	176	441	x	x	99	175	459	x	x	x	x	x	x	x
B.C.	77 503	1 066	1 928	2 447	1 724	5 341	1 076	1 928	2 448	1 694	1 799	5 323	1 799	5 323	31.8	31.8
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	167 154	2 260	3 209	5 473	7 020	8 935	2 297	3 216	5 523	6 974	8 917	16 737	6 974	8 917	100.0	100.0

# **TOTAL VALUE ADDED** Billions of dollars

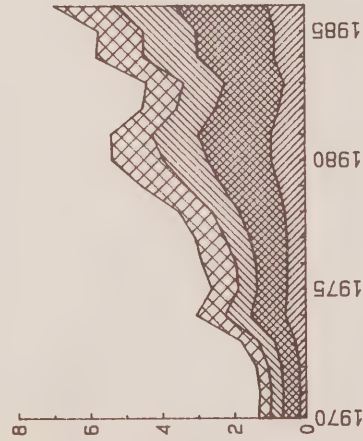
## **LOGGING**



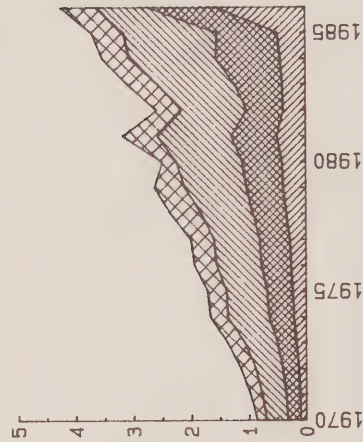
## **SAWMILLS AND PLANING MILLS**



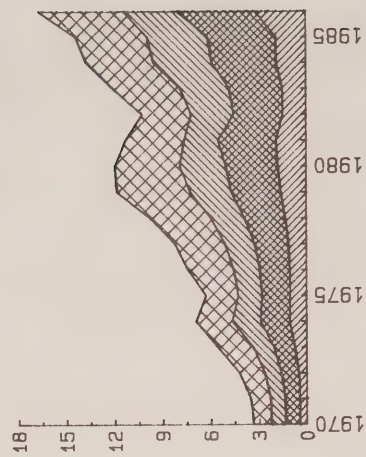
## **PULP AND PAPER MILLS**



## **OTHER FOREST INDUSTRIES**



## **TOTAL FOREST INDUSTRIES**



**Figure 23.** Total value added in the forest industries by sector and region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986

Activity/ province or territory	Manufacturing activity										Total activity		
	Estab- lishments	Production and related workers					Number	\$000 000	Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Number							
A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)													
Nfld.	40	178	372	2	1	6	11	5	247	3	5		
P.E.I.	10	35	66	--	--	1	2	1	39	1	1		
N.S.	74	1 024	2 229	16	3	36	79	40	1 149	19	40		
N.B.	79	2 377	5 166	46	9	147	251	95	2 634	54	96		
Atlantic provinces	203	3 614	7 833	64	13	190	343	141	4 069	77	142		
Que.	355	13 530	28 401	282	55	911	1 645	657	16 045	348	662		
Ont.	210	6 798	14 132	162	31	501	851	322	7 685	194	323		
Man.	16	322	583	7	1	19	31	9	368	8	9		
Sask.	9	345	662	10	2	32	52	21	411	12	21		
Alta.	45	2 155	4 322	66	11	161	307	146	2 364	74	145		
Prairies	70	2 822	5 567	83	14	212	390	176	3 143	94	175		
B.C.	456	23 944	47 742	810	128	2 291	4 389	2 000	28 296	1 011	2 001		
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-		
Total	1 294	50 708	103 676	1 401	241	4 104	7 618	3 296	59 238	1 723	3 303		
B. Shingle and shake industry (S.I.C. 2511)													
N.B.	12	165	287	2	--	3	7	4	172	3	4		
Que.	16	341	668	6	1	8	18	10	341	6	10		
B.C.	106	1 899	3 330	47	4	127	206	72	2 037	51	73		
Total	134	2 405	4 285	55	5	138	231	86	2 550	60	87		

## IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
												1 000
C. Sawmill and planing mill products industry (S.I.C. 2512)												
Nfld.	40	178	372	2	1	6	11	5	247	3	5	
P.E.I.	10	35	66	--	--	1	2	1	39	1	1	
N.S.	74	1 024	2 229	16	3	36	79	40	1 149	19	40	
N.B.	67	2 212	4 879	44	9	144	244	91	2 462	51	92	
Atlantic provinces	191	3 449	7 546	62	13	187	336	137	3 897	74	138	
Que.	339	13 189	27 733	276	54	903	1 627	647	15 704	342	652	
Ont.	210	6 798	14 132	162	31	501	851	322	7 685	194	323	
Man.	16	322	583	7	1	19	31	9	368	8	9	
Sask.	9	345	662	10	2	32	52	21	411	12	21	
Alta.	45	2 155	4 322	66	11	161	307	146	2 364	74	145	
Prairies	70	2 822	5 567	83	14	212	390	176	3 143	94	175	
B.C.	350	22 045	44 412	763	124	2 164	4 183	1 928	26 259	960	1 928	
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	
Total	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216	
D. Veneer and plywood industries (S.I.C. 252)												
Que.	29	1 321	2 702	22	4	108	170	61	1 633	32	67	
B.C.	22	3 962	6 717	109	16	235	503	252	4 361	125	250	
Others	27	2 396	5 057	54	10	112	243	121	2 786	68	122	
Total	78	7 679	14 476	185	30	455	916	434	8 780	225	439	

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Manufacturing activity							Total activity			
	Estab- lishments	Production and related workers			Materials and supplies	Value of shipments of goods	Value added	Total employees <sup>a</sup>	Salaries and wages	Total value added	
		Person- hours paid	Wages	Fuel and electricity							
											Number
E. Sash, door, and other millwork industries (S.I.C. 254)											
N.S.	32	573	1 272	9	--	26	48	21	722	13	23
Que.	581	8 588	17 769	152	12	458	824	361	9 977	190	363
Ont.	443	9 957	21 748	192	12	504	998	495	11 444	243	496
Alta.	128	1 451	3 087	30	2	96	160	62	2 025	48	81
B.C.	231	2 739	5 651	65	6	175	322	143	3 320	82	144
Others	184	2 597	5 308	46	3	119	237	115	3 204	64	122
Total	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229
F. Prefabricated wooden building industry (S.I.C. 2541)											
N.S.	6	217	455	3	--	11	20	9	270	5	9
Que.	35	710	1 459	12	1	69	115	46	884	17	47
Ont.	16	594	1 281	11	1	63	102	40	784	17	40
Alta.	10	360	801	8	1	40	53	12	635	17	29
B.C.	18	154	276	4	1	9	20	10	237	6	10
Others	4	24	50	--	--	1	1	--	47	1	1
Total	89	2 059	4 322	38	3	193	311	117	2 857	63	136

## IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	
												\$000 000
G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. 2542)												
N.S.	9	87	224	1	--	2	4	2	100	2	3	
N.B.	13	146	301	2	--	6	11	5	179	3	5	
Que.	268	2 608	5 413	45	3	96	189	92	2 899	53	91	
Ont.	231	3 338	7 089	63	3	114	270	154	3 867	79	151	
Man.	40	513	980	10	1	15	39	24	599	13	24	
Alta.	54	324	676	6	--	12	24	12	391	8	12	
B.C.	100	938	1 859	20	1	35	81	44	1 144	25	44	
Others	32	119	230	3	--	3	6	2	126	2	4	
Total	747	8 073	16 772	150	8	283	624	335	9 305	185	334	
H. Wooden door and window industry (S.I.C. 2543)												
N.S.	10	160	348	3	--	9	16	6	233	4	6	
N.B.	16	342	716	7	--	20	40	20	428	9	20	
Que.	174	3 354	6 972	61	5	202	344	139	4 006	79	141	
Ont.	82	3 124	6 875	61	4	195	371	177	3 636	81	180	
Man.	11	645	1 364	12	1	36	72	36	769	15	35	
Alta.	23	300	665	6	--	20	36	16	423	10	16	
B.C.	54	843	1 824	21	2	75	125	50	1 033	27	51	
Others	16	208	432	2	1	12	19	6	321	7	11	
Total	386	8 976	19 196	173	13	569	1 023	450	10 849	232	460	



IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Estab- lishments	Manufacturing activity						Total activity	
		Production and related workers			Total employees <sup>a</sup>				
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods added	Value added	Salaries and wages	Total value added
		Number	1 000		\$000 000		Number	\$000 000	
<b>I. Other millwork industries (S.I.C. 2549)</b>									
N.S.	7	109	245	--	4	8	119	2	5
N.B.	19	154	312	--	6	10	165	3	5
Que.	104	1 916	3 925	3	91	176	2 188	41	84
Ont.	114	2 901	6 503	4	132	255	3 157	66	125
Man.	10	245	500	--	11	21	309	6	10
Sask.	16	158	334	--	7	13	208	4	5
Alta.	41	467	945	1	24	47	576	13	24
Prairies	67	870	1 779	1	42	81	1 093	23	39
B.C.	59	804	1 692	2	56	96	906	24	39
Others	7	43	89	1	2	5	53	1	2
<b>Total</b>	<b>377</b>	<b>6 797</b>	<b>14 545</b>	<b>11</b>	<b>333</b>	<b>631</b>	<b>7 681</b>	<b>160</b>	<b>299</b>
<b>J. Wooden box and pallet industry (S.I.C. 256)</b>									
N.S.	8	76	146	--	2	4	81	1	2
Que.	63	800	1 640	1	32	56	903	16	25
Ont.	96	1 370	2 782	2	66	119	1 609	27	51
Man.	5	46	102	--	3	5	53	1	2
Alta.	11	152	307	--	5	11	165	3	6
Others	23	232	466	2	12	23	273	6	9
<b>Total</b>	<b>206</b>	<b>2 676</b>	<b>5 443</b>	<b>5</b>	<b>120</b>	<b>218</b>	<b>3 084</b>	<b>54</b>	<b>95</b>

## IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONCLUDED)

Activity/ province or territory	Manufacturing activity										Total activity		
	Production and related workers										Total employees <sup>a</sup>		
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added		Number			\$000 000
K. Coffin and casket industry (S.I.C. 258)													
Que.	14	427	900	8	1	13	30	17		495		10	17
Others	13	195	416	4	--	6	13	7		222		5	7
Total	27	622	1 316	12	1	19	43	24		717		15	24
L. Other wood industries (S.I.C. 259)													
Que.	85	2 369	5 105	49	11	163	322	150		2 838		64	150
Ont.	128	2 635	5 807	58	15	204	359	144		2 983		69	145
Others	161	2 294	4 624	53	14	215	368	139		2 634		65	140
Total	374	7 298	15 536	160	40	582	1 049	432		8 455		199	435

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-250.

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986

Activity/ province or territory	Estab- lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
											1 000		
A. Pulp and paper industries (S.I.C. 271)													
N.S.	5	2 023	4 435	68	61	164	470	238	2 610	94	233		
N.B.	12	4 667	9 730	170	157	517	1 120	433	6 007	226	427		
Que.	55	23 238	49 315	813	571	2 104	5 240	2 547	31 232	1 130	2 547		
Ont.	35	15 305	32 590	536	352	1 636	3 671	1 686	19 942	730	1 680		
B.C.	25	11 776	24 422	480	381	1 545	3 692	1 724	15 466	657	1 694		
Others	10	3 377	7 645	122	97	369	879	392	4 313	162	393		
Total	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974		
B. Pulp industry (S.I.C. 2711)													
N.B.	6	2 361	5 043	89	60	291	597	233	3 135	124	225		
Que.	7	1 760	4 017	68	41	286	574	234	2 242	91	225		
Ont.	5	2 728	5 798	95	62	381	726	282	3 520	127	285		
B.C.	16	5 940	12 611	236	167	856	1 877	805	7 515	312	785		
Others	4	1 577	3 482	60	33	223	493	221	2 094	85	212		
Total	38	14 366	30 951	548	363	2 037	4 267	1 775	18 506	739	1 732		

## IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Estab- lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added		
C. Newsprint industry (S.I.C. 2712)													
Que.	21	14 258	30 069	511	394	1 120	3 173	1 655	18 819	699	1 674		
Ont.	9	6 406	13 192	231	168	611	1 590	811	8 612	330	806		
B.C.	4	4 183	8 395	180	163	484	1 348	705	5 706	253	695		
Others	8	4 573	10 047	163	170	392	1 072	497	5 755	211	502		
Total	42	29 420	61 703	1 085	895	2 607	7 183	3 668	38 892	1 493	3 677		
D. Paperboard industry (S.I.C. 2713)													
Que.	10	2 448	4 953	87	66	252	597	271	3 346	119	274		
Ont.	11	2 349	5 117	78	62	192	488	233	2 796	95	232		
Others	7	1 456	3 101	54	69	150	385	167	1 856	70	167		
Total	28	6 253	13 171	219	197	594	1 470	671	7 998	284	673		
E. Asphalt roofing industry (S.I.C. 272)													
Que.	5	486	1 044	13	6	69	145	70	783	23	76		
Ont.	7	524	1 111	13	6	109	202	85	665	17	88		
Alta.	3	240	510	7	3	41	78	33	314	9	34		
Others	4	83	173	2	--	14	25	10	142	5	10		
Total	19	1 333	2 838	35	15	233	450	198	1 904	54	208		

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Manufacturing activity										Total activity		
	Production and related workers										Total employees <sup>a</sup>		
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
F. Paper box and bag industries (S.I.C. 273)													
Que.	64	4 573	9 067	116	12	437	698	249	5 956	159	248		
Ont.	137	7 990	16 866	207	16	822	1 296	458	10 048	277	460		
Others	52	2 433	5 027	68	5	308	502	188	3 210	97	189		
Total	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533	897		
G. Folding carton and set-up box industry (S.I.C. 2731)													
Que.	33	1 711	3 419	43	3	126	224	94	2 110	55	94		
Ont.	57	3 342	7 132	84	5	280	489	205	4 118	111	208		
Others	16	434	812	10	--	42	71	29	531	14	29		
Total	106	5 487	11 363	137	8	448	784	328	6 759	180	331		
H. Corrugated box industry (S.I.C. 2732)													
Que.	22	2 109	4 109	55	7	235	356	114	2 904	80	113		
Ont.	69	4 294	9 075	116	11	516	764	235	5 446	155	235		
Alta.	8	315	676	9	1	41	64	23	406	13	22		
B.C.	8	614	1 303	22	2	91	151	58	858	31	59		
Others	11	567	1 222	15	1	81	127	43	756	21	43		
Total	118	7 899	16 385	217	22	964	1 462	473	10 370	300	472		

## IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONCLUDED)

Activity/ province or territory	Manufacturing activity										Total activity		
	Production and related workers										Total employees <sup>a</sup>	Total value added	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
I. Paper bag industry (S.I.C. 2733)													
Que.	9	753	1 539	18	2	76	118	41	942	24	41		
Ont.	11	354	659	7	--	26	43	18	484	11	17		
B.C.	3	153	311	4	--	17	28	11	199	6	11		
Others	6	350	703	8	1	36	61	24	460	12	25		
Total	29	1 610	3 212	37	3	155	250	94	2 085	53	94		
J. Other converted paper products industries (S.I.C. 279)													
Ont.	150	7 963	16 560	189	18	809	1 360	550	10 774	288	561		
Others	134	4 202	8 645	88	12	413	687	272	5 601	129	279		
Total	284	12 165	25 205	277	30	1 222	2 048	822	16 375	417	840		
K. Stationary paper products industry (S.I.C. 2792)													
Que.	16	690	1 381	15	1	46	87	43	922	21	45		
Ont.	38	1 977	4 274	42	2	138	256	121	2 718	66	130		
Alta.	5	65	149	2	--	6	9	3	94	2	3		
B.C.	7	143	297	4	--	13	24	12	222	6	12		
Others	5	76	140	1	1	4	8	4	110	3	4		
Total	71	2 951	6 241	64	4	207	384	183	4 066	98	194		

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-250.



IV - 13. LOGGING BY YEAR, 1960-1986

Year	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1960	..	..	..	..	..	..	806	..	..	375	..	..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547	547
1970	2 648	44 810	100 227	345	29	690	1 382	653	52 230	412	694	694
1971	2 436	40 119	88 723	344	30	687	1 383	658	47 284	413	698	698
1972	2 794	40 363	89 599	382	37	770	1 592	765	47 553	458	829	829
1973	3 128	49 573	105 182	513	50	1 127	2 104	1 001	57 586	606	1 109	1 109
1974	3 249	50 733	108 321	601	68	1 249	2 365	1 176	59 491	717	1 244	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 126	1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883	1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032	1 650	1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219	2 152	2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	48 022	1 324	2 191	2 191
1985	3 739	40 733	78 567	1 100	219	3 059	5 462	2 167	45 962	1 294	2 187	2 187
1986	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297	2 297

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

## IV - 14. WOOD INDUSTRIES BY YEAR, 1960-1986

Year	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages			Value of shipments of goods			Number	Salaries and wages	Total value added
				Fuel and electricity	Materials and supplies	Value added	Value added	Value added	Value added			
			1 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000			
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432	
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669	
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802	
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017	
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422	
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977	
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748	
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690	
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236	
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762	
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550	
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021	
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307	2 217	3 466	
1981	3 394	94 328	189 205	1 824	245	4 802	8 442	3 379	112 570	2 286	3 447	
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050	2 102	2 708	
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965	2 427	3 993	
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051	
1985	3 476	90 988	189 083	2 204	369	6 164	11 122	4 624	107 560	2 740	4 688	
1986	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 15. PAPER AND ALLIED INDUSTRIES BY YEAR, 1960-1986

Year	Estab- lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Total value added
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000				
										1 000	\$000 000		
1960	565	76 040	..	339	116	979	2 126	..	95 281	458	1 034		
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634	1 365		
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978	1 817		
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039	1 804		
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135	1 962		
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248	2 476		
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526	3 945		
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553	3 470		
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207	1 938	3 844		
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080	4 032		
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282	4 565		
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491	5 756		
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784	6 770		
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146	6 965		
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669	3 180	5 876		
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308	3 341	5 940		
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492		
1985	688	86 477	182 423	2 699	1 831	8 712	18 075	7 555	114 187	3 745	7 524		
1986	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917		

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

## IV - 16. SAWMILL, PLANING MILL, AND SHINGLE MILL INDUSTRIES (S.I.C. 251) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000	Salaries and wages	Total value added
			1 000									\$000 000
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389	
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326	453	
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381	596	
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464	898	
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572	1 311	
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623	1 005	
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599	885	
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802	1 314	
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961	1 776	
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139	2 328	
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312	2 677	
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423	2 155	
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413	1 883	
1982	1 338	46 295	89 306	1 055	190	2 672	4 501	1 535	55 119	1 319	1 540	
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 548	2 509	
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468	
1985	1 318	51 773	107 820	1 407	258	3 976	7 059	2 854	61 233	1 721	2 864	
1986	1 294	50 708	103 676	1 401	241	4 104	7 618	3 296	59 238	1 723	3 303	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 17. SHINGLE AND SHAKE INDUSTRY (S.I.C. 2511) BY YEAR, 1965-1986

Year	Estab- lishments	Manufacturing activity							Total activity			
		Production and related workers							Total employees <sup>a</sup>	Total value added		
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added					
		Number	1 000				\$000 000	Number	\$000 000			
1965	64	1 422	2 793	8	--	--	15	25	10	1 527	9	11
1970	82	1 374	2 697	11	--	--	18	32	14	1 450	12	14
1971	74	1 595	3 173	14	1	1	22	44	22	1 687	15	22
1972	72	1 689	3 244	15	1	1	26	56	29	1 798	16	29
1973	74	1 753	3 415	17	1	1	37	68	31	1 883	18	31
1974	79	1 421	2 841	16	1	1	26	50	23	1 540	18	23
1975	69	1 503	2 942	20	1	1	28	63	34	1 609	21	34
1976	69	1 690	3 359	25	1	1	44	90	47	1 813	27	47
1977	71	1 637	3 319	29	2	2	61	115	53	1 754	31	53
1978	84	2 029	4 272	37	2	2	87	154	68	2 159	41	68
1979	116	1 853	3 887	40	2	2	92	155	60	1 986	44	60
1980	124	1 897	3 708	41	2	2	83	152	66	2 034	44	66
1981	119	1 583	3 117	37	2	2	69	125	54	1 712	40	56
1982	108	1 302	2 401	29	3	3	46	87	39	1 421	33	41
1983	98	1 417	2 714	34	3	3	64	114	46	1 539	39	46
1984	101	1 537	3 099	37	3	3	81	139	58	1 648	41	57
1985	107	2 157	4 213	52	4	4	115	196	77	2 272	56	77
1986	134	2 405	4 285	55	5	5	138	231	86	2 550	60	87

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

## IV - 18. SAWMILL AND PLANING MILL PRODUCTS INDUSTRY (S.I.C. 2512) BY YEAR, 1960-1986

Year	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages			Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000
				1 000	\$000 000	\$000 000						
1960	3 719	36 714	..	120	10	296	530	225	..	..	..	..
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389	389
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314	439	439
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366	574	574
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448	869	869
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554	1 280	1 280
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605	983	983
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578	851	851
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774	1 268	1 268
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930	1 723	1 723
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098	2 260	2 260
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268	2 617	2 617
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379	2 089	2 089
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373	1 827	1 827
1982	1 230	44 878	86 592	1 027	188	2 608	4 387	1 489	53 698	1 286	1 494	1 494
1983	1 290	48 762	98 401	1 231	226	3 443	5 991	2 455	58 135	1 509	2 463	2 463
1984	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 509	2 410	2 410
1985	1 211	49 616	103 606	1 355	254	3 861	6 863	2 777	58 961	1 676	2 786	2 786
1986	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216	3 216

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.



IV - 19. VENEER AND PLYWOOD INDUSTRIES (S.I.C. 252) BY YEAR, 1960-1986

Year	Manufacturing activity										Total activity	
	Estab- lishments	Production and related workers					Value of shipments of goods added	Total employees <sup>a</sup>	Salaries and wages value added	Total value added		
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies						
											1 000	\$000 000
1960	76	9 856	..	35	3	76	138	61	..	..		
1965	83	12 826	27 455	55	4	120	222	101	14 265	65		
1970	90	10 973	21 616	68	5	152	262	104	12 259	80		
1971	88	11 363	23 360	80	6	165	312	139	12 650	93		
1972	84	12 213	24 788	92	7	202	393	182	13 664	108		
1973	86	13 082	26 599	110	8	255	487	226	14 478	127		
1974	82	11 863	23 562	112	9	262	463	198	13 291	133		
1975	83	11 367	21 346	119	10	248	458	200	12 732	141		
1976	81	11 635	23 179	147	13	311	584	266	13 003	171		
1977	83	12 301	24 917	174	17	351	647	283	13 695	202		
1978	86	12 555	25 319	192	20	423	844	402	14 067	222		
1979	83	12 212	24 470	203	21	498	888	380	13 618	236		
1980	84	10 990	22 453	206	23	483	840	333	12 363	243		
1981	77	9 920	18 845	197	26	466	841	351	11 323	238		
1982	82	9 084	15 772	185	27	360	645	248	10 344	225		
1983	82	8 596	17 289	216	32	456	853	373	9 724	256		
1984	81	8 037	15 632	200	31	453	795	317	9 174	241		
1985	82	7 932	15 801	210	33	486	888	363	9 058	251		
1986	78	7 679	14 476	185	30	455	916	434	8 780	225		

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206 and 35-250.

## IV - 20. SASH, DOOR, AND OTHER MILLWORK INDUSTRIES (S.I.C. 254) BY YEAR, 1960-1986

Year	Manufacturing activity										Total activity	
	Production and related workers										Total employees <sup>a</sup>	
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1960	1 397	13 267	..	40	4	134	227	88	..	..	..	..
1965	1 007	11 108	24 868	41	3	115	209	93	14 122	58	99	..
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152	..
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180	..
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224	..
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291	..
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365	..
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433	..
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476	..
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495	..
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573	..
1979	1 228	21 067	44 175	268	15	818	1 438	618	25 972	360	652	..
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668	..
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852	..
1982	1 390	16 816	33 698	272	23	685	1 319	588	21 294	377	619	..
1983	1 440	18 488	37 930	321	26	872	1 641	759	22 925	437	791	..
1984	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839	..
1985	1 512	21 469	45 157	390	33	1 066	2 045	951	25 884	514	995	..
1986	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229	..

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205 and 35-250.

IV - 21. WOODEN BOX AND PALLET INDUSTRY (S.I.C. 256) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity		
	Estab- lishments	Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added					
									1 000	\$000 000	Number		
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19		
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28		
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28		
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30		
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38		
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47		
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52		
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53		
1977	150	2 869	6 028	30	2	66	134	67	3 347	40	67		
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61		
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81		
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85		
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93		
1982	208	2 741	5 662	41	4	97	188	87	3 274	52	88		
1983	201	2 216	4 496	32	4	85	152	64	2 556	40	65		
1984	212	2 422	4 991	38	4	105	191	82	2 759	46	83		
1985	193	2 493	4 966	40	5	110	198	86	2 853	49	86		
1986	206	2 676	5 443	43	5	120	218	93	3 084	54	95		

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

## IV - 22. COFFIN AND CASKET INDUSTRY (S.I.C. 258) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity		
	Estab- lishments	Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	1 000	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods added	Value added				
											Number	\$000 000	
1965	56	1 152	2 595	4	--		6	14		8	1 438	5	8
1970	45	1 006	2 194	5	--		7	17		10	1 260	7	10
1971	45	983	2 172	5	--		7	18		10	1 217	7	10
1972	43	973	2 113	5	--		8	18		10	1 202	7	10
1973	42	982	2 088	6	--		10	21		11	1 180	8	11
1974	43	1 000	2 051	6	--		13	25		13	1 230	9	13
1975	40	952	1 990	7	--		11	25		14	1 120	9	14
1976	38	837	1 803	7	--		10	23		12	965	8	13
1977	29	743	1 599	7	--		10	23		13	860	8	13
1978	31	721	1 507	7	--		13	27		15	846	9	15
1979	32	660	1 393	7	--		13	29		15	776	9	16
1980	38	707	1 488	9	1		15	32		16	828	11	17
1981	34	616	1 311	9	1		15	33		18	736	11	18
1982	33	643	1 340	10	1		17	36		19	741	12	19
1983	31	692	1 397	11	1		18	39		21	799	14	21
1984	31	623	1 201	10	1		18	39		20	722	12	20
1985	27	653	1 326	11	1		20	41		22	453	14	22
1986	27	622	1 316	12	1		19	43		24	717	15	24

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 23. OTHER WOOD INDUSTRIES (S.I.C. 259) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1965	277	4 762	10 276	17	2	45	86	40	5 796	23	41	
1970	271	4 624	9 821	24	3	59	112	52	5 537	31	53	
1971	260	4 773	10 079	27	3	64	126	60	5 726	35	61	
1972	252	5 130	10 803	32	4	77	153	72	6 159	41	73	
1973	237	5 367	11 298	36	5	90	184	91	6 459	47	93	
1974	242	5 397	11 226	42	6	109	217	108	6 268	52	110	
1975	237	5 336	11 112	48	7	121	222	100	6 265	59	101	
1976	211	5 447	11 308	54	10	127	239	106	6 335	67	110	
1977	186	5 049	10 536	57	11	142	282	124	5 918	72	126	
1978	230	5 620	11 703	69	14	173	351	166	6 537	85	167	
1979	252	6 396	13 424	86	18	226	436	201	7 430	107	204	
1980	292	6 331	13 294	97	20	269	481	193	7 391	119	197	
1981	302	5 972	12 354	107	26	307	563	240	7 059	133	244	
1982	296	5 262	9 860	92	27	282	506	192	6 278	118	193	
1983	311	5 328	10 529	105	32	360	615	223	6 287	132	226	
1984	328	6 011	12 716	132	41	455	810	316	7 131	166	319	
1985	344	6 668	14 013	146	40	507	890	349	7 779	180	352	
1986	374	7 298	15 536	160	39	582	1 049	432	8 445	199	435	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

## IV - 24. WOOD PRESERVATION INDUSTRY (S.I.C. 2591) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity		
	Estab- lishments	Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	1 000	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000		
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15		
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18		
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20		
1972	31	1 148	2 509	9	1	27	51	22	1 465	12	22		
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28		
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41		
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37		
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34		
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40		
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48		
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52		
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59		
1981	43	1 295	2 656	26	4	106	173	65	1 572	32	67		
1982	45	1 128	2 166	24	6	100	166	61	1 388	31	61		
1983	47	1 019	1 987	23	5	111	171	54	1 249	29	56		
1984	50	1 185	2 453	30	7	154	236	75	1 443	37	78		
1985	51	1 070	2 197	27	6	150	214	63	1 348	36	65		
1986	59	1 190	2 328	28	6	174	250	74	1 490	39	78		

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.



<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

## IV - 26. PULP AND PAPER INDUSTRIES (S.I.C. 271) BY YEAR, 1960-1986

Year	Estab- lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Total Salaries and wages value added
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
											1 000		
1960	126	53 313	..	260	111	658	1 583	815	..	..	..	..	
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424	1 042	1 042	
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701	1 331	1 331	
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746	1 277	1 277	
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	809	1 380	1 380	
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884	1 813	1 813	
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	86 203	1 097	3 049	3 049	
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092	2 601	2 601	
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416	2 876	2 876	
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533	1 541	3 070	3 070	
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697	3 508	3 508	
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055	1 847	4 531	4 531	
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050	5 355	5 355	
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310	5 401	5 401	
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104	2 442	4 515	4 515	
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164	2 528	4 380	4 380	
1984	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802	5 802	
1985	137	58 830	126 105	2 047	1 751	5 867	13 407	5 773	77 562	2 811	5 720	5 720	
1986	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974	6 974	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204 and 36-250.

IV - 27. ASPHALT ROOFING INDUSTRY (S.I.C. 272) BY YEAR, 1965-1986

Year	Estab- lishments	Manufacturing activity						Total activity		
		Production and related workers						Total employees <sup>a</sup>		
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods added	Value added	Salaries and wages	Total value added	Number
		1 000								\$000 000
1965	21	1 291	2 899	6	1	30	58	26	10	1 942
1970	14	618	1 436	4	1	22	39	17	9	1 141
1971	14	727	1 706	6	1	29	51	22	10	1 218
1972	14	815	1 919	7	1	34	63	28	12	1 277
1973	15	919	2 088	8	1	41	77	33	13	1 375
1974	15	916	2 109	9	2	54	102	49	15	1 403
1975	15	963	2 189	11	2	69	121	51	18	1 438
1976	15	1 034	2 177	13	3	87	148	60	21	1 549
1977	15	998	2 127	14	4	91	154	62	22	1 540
1978	17	1 043	2 169	15	4	111	179	64	23	1 467
1979	18	997	2 067	15	5	138	209	72	24	1 471
1980	17	891	1 874	15	5	160	244	78	26	1 393
1981	16	806	1 637	15	6	167	269	90	27	1 301
1982	16	768	1 562	15	7	162	271	102	26	1 269
1983	17	1 025	2 103	25	8	215	306	89	36	1 424
1984	17	1 168	2 366	27	12	216	354	131	38	1 537
1985	18	1 177	2 472	29	13	223	367	134	41	1 562
1986	19	1 333	2 838	35	15	233	450	198	54	1 904

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215 and 36-250.

IV - 28. PAPER BOX AND BAG INDUSTRIES (S.I.C. 273) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity	
	Production and related workers					Total employees <sup>a</sup>						
	Estab- lishments	Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added	\$000 000
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173	
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270	
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290	
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320	
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366	
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498	
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470	
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537	
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528	
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591	
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657	
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767	
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835	
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394	667	
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435	750	
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819	
1985	251	14 919	30 065	366	35	1 493	2 369	848	19 174	504	847	
1986	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533	897	

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216 and 36-250.

IV - 29. OTHER CONVERTED PAPER PRODUCTS INDUSTRIES (S.I.C. 279) BY YEAR, 1965-1986

Year	Estab- lishments	Manufacturing activity										Total activity	
		Production and related workers										Total employees <sup>a</sup>	Total value added
		Number	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	\$000 000			
											1 000		
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120		
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197		
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212		
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	231		
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261		
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347		
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345		
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368		
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370		
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399		
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488		
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278	556		
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	630		
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317	586		
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342	709		
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	738		
1985	282	11 551	23 781	257	32	1 128	1 931	799	15 889	389	821		
1986	284	12 165	25 205	277	30	1 222	2 047	822	16 375	417	840		

<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215 and 36-250.

			Manufacturing activity										Total activity	
			Production and related workers										Total employees <sup>a</sup>	
			Person-hours paid		Wages		Fuel and electricity		Materials and supplies		Value of shipments of goods added		Salaries and wages added	
			Number	1 000									Number	\$000 000
Manufacturing industries <sup>b</sup>														
A. Forestry	S.I.C. <sup>c</sup>	Estab-lishments												
Sawmills, planing mills	2512	1 160	48 303	99 391	1 346	236			3 966		7 387	3 209	56 688	1 663
Shingle and shake industry	2511	134	2 405	4 285	55	5			138		231	86	2 550	60
Pulp and paper mills	271	142	60 386	128 137	2 189	1 619			6 335		15 072	7 020	79 570	2 999
Other wood industries	252-259	2 284	44 180	91 606	894	111			2 554		4 815	2 178	51 728	1 133
Other paper industries	272-279	556	28 494	59 002	704	80			3 022		4 995	1 915	37 493	1 004
Furniture and fixtures	261-269	1 822	48 393	106 137	889	50			1 934		4 012	2 064	55 514	1 106
Printing and publishing	281-284	5 654	77 725	153 508	1 970	85			3 849		10 371	6 461	123 210	3 325
B. Agriculture														
Food, feed, beverage, tobacco	101,103-122	3 203	133 190	272 875	3 206	644			24 581		38 526	13 338	204 634	5 478
14 690														
C. Fishing														
Fish products	102	404	25 340	49 330	388	43			1 387		2 286	876	28 934	475
1 024														
D. Mining														
Smelting and refining	291,295	92	55 426	116 525	1 979	910			6 054		12 498	5 370	75 519	2 848
5 374														
Metal semi-fabricating products	292-294, 296-299, 351-359	1 964	64 734	137 775	1 776	667			5 298		11 243	5 282	81 482	2 386
5 422														
Metal-fabricated products	301-309	5 659	121 520	255 762	2 810	234			7 655		15 024	7 205	147 883	3 665
7 391														
E. Energy														
Petroleum and coal products	361-369	126	6 359	14 122	265	316			12 798		15 756	1 901	15 066	664
1 906														
F. Other														
Machinery (except electrical)	311-319	1 964	57 510	125 393	1 400	92			4 080		8 099	4 024	78 203	2 067
4 249														
Transportation equipment	321-329	1 556	165 383	381 071	4 936	359			30 140		44 400	13 861	214 283	6 749
14 438														
Electrical products	331-339	1 454	88 899	186 208	2 130	136			7 216		14 304	6 986	135 230	3 694
7 873														
Chemicals, chemical products	371-379	1 316	47 288	100 783	1 357	989			9 110		18 639	8 495	87 637	2 843
9 174														
Textile and clothing	181-249	3 687	149 054	306 783	2 300	209			6 152		11 866	5 607	172 838	3 023
5 843														
Miscellaneous products	151-169, 171, 391-399	5 203	126 974	263 833	2 489	247			7 066		13 887	6 551	160 254	3 567
7 001														
G. Total	...	38 380	1 351 563	2 852 526	33 083	7 032			143 336		253 411	102 429	1 808 716	48 749
107 550														

<sup>a</sup>Excluding working owners and partners.<sup>b</sup>Excluding primary industries.<sup>c</sup>1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.



## SECTION V

### EMPLOYMENT

#### Labour Force Survey

Labour Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labour force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labour Force Surveys and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1976.

**Employment:** Employed persons are those who, during the reference week: a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

#### Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data of small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calendar year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

**Employment:** Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

V - 1. EMPLOYMENT BY INDUSTRY SECTOR<sup>a</sup>, 1970-1988

Year	Forestry related				Mining related				Agriculture related				Fishing				Total
	Wood industries		Paper and allied industries		Crude oil, natural gas, and coal		Metal fabricating		Agriculture		Food, feed, beverage, tobacco, services		Fish products		Cons- truction		
	Sawmills, planing, shingle mills	Total	Pulp and paper mills	Total	Printing, publishing, furniture, fixtures	Crude oil, natural gas, and coal	Smelting and refining	Metal fabricating	Agri-culture	Agri-culture services	Food, feed, beverage, tobacco, services	Fishing, fishing services	Fish products	Energy	Other		
Logging services																	
1970	..	..	..	..	..	..	..	..	513	..	..	..	..	..	467	..	7 919
1971	..	..	..	..	..	..	..	..	514	..	..	..	..	..	489	..	8 104
1972	..	..	..	..	..	..	..	..	483	..	..	..	..	..	494	..	8 344
1973	65	13	74	123	89	..	87	100	469	13	237	21	23	142	539	..	8 761
1974	..	..	..	..	..	..	..	..	474	..	..	..	..	..	586	..	9 125
1975	50	10	54	93	91	130	171	109	483	14	223	21	21	153	603	6 866	9 284
1976	61	9	74	117	103	143	168	111	472	15	235	19	24	163	635	6 966	9 477
1977	58	12	69	118	92	128	180	108	464	15	235	19	26	168	634	7 154	9 651
1978	64	13	77	130	97	140	187	103	474	13	241	21	32	191	634	7 399	9 987
1979	65	12	84	140	99	141	188	106	484	14	235	28	37	198	644	7 749	10 395
1980	61	10	78	135	101	143	197	120	479	16	232	32	37	217	624	8 024	10 708
1981	66	11	78	139	100	145	197	125	473	15	240	33	35	296	651	8 182	11 001
1982	51	11	58	107	92	136	204	96	450	15	230	31	33	274	595	8 056	10 618
1983	63	11	62	114	86	124	206	90	463	17	226	35	33	260	562	8 171	10 675
1984	62	13	64	115	90	125	209	96	459	21	217	32	32	218	564	8 460	10 932
1985	56	11	58	108	87	120	205	105	457	19	223	32	29	222	579	8 734	11 221
1986	56	11	62	122	78	111	222	98	444	23	216	36	34	214	618	9 003	11 531
1987	54	14	66	131	83	120	235	102	439	23	224	36	33	207	673	9 234	11 861
1988	60	11	64	136	98	132	231	102	423	21	225	40	36	219	726	9 533	12 244

<sup>a</sup>Unadjusted series.<sup>b</sup>Excluding fish products.

Source: Statistics Canada Cat. No. 71-201, Labour Force Survey.

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
1 000 persons											
<b>A. Employed labour force</b>											
1970	129	35	256	192	2 128	3 037	371	333	633	805	7 919
1971	135	37	256	197	2 175	3 113	379	334	643	834	8 104
1972	140	36	261	205	2 205	3 239	386	336	671	865	8 344
1973	151	39	275	214	2 330	3 380	402	343	706	920	8 761
1974	149	41	292	221	2 401	3 523	419	350	754	976	9 125
1975	152	42	292	224	2 434	3 576	417	365	788	995	9 284
1976	157	42	292	226	2 456	3 643	425	378	838	1 021	9 477
1977	159	43	292	224	2 476	3 708	428	390	880	1 050	9 651
1978	162	45	303	234	2 530	3 835	439	398	937	1 103	9 987
1979	170	46	311	243	2 619	3 993	450	411	1 007	1 144	10 395
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 213	10 708
1981	179	47	322	253	2 723	4 171	461	425	1 151	1 270	11 001
1982	173	45	313	242	2 574	4 063	454	426	1 127	1 202	10 618
1983	172	48	319	245	2 616	4 089	459	434	1 102	1 190	10 675
1984	174	49	335	247	2 692	4 235	470	436	1 104	1 191	10 932
1985	174	50	333	255	2 768	4 377	475	446	1 124	1 220	11 221
1986	179	51	341	262	2 825	4 524	486	452	1 142	1 270	11 531
1987	183	52	350	272	2 918	4 689	492	453	1 146	1 306	11 861
1988	193	54	366	280	3 001	4 862	494	451	1 186	1 358	12 244
<b>B. Unemployment rate</b>											
1970	7.3	x	5.3	6.3	7.0	4.4	5.3	4.2	5.1	7.7	5.7
1971	8.4	x	7.0	6.1	7.3	5.4	5.7	3.5	5.7	7.2	6.2
1972	9.2	10.8	7.0	7.0	7.5	5.0	5.4	4.4	5.6	7.8	6.2
1973	10.0	x	6.6	7.7	6.8	4.3	4.6	3.5	5.3	6.7	5.5
1974	13.0	x	6.8	7.5	6.6	4.4	3.6	2.8	3.5	6.2	5.3
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	6.9
1976	13.3	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	7.1
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	8.1
1978	16.2	9.8	10.5	12.5	10.9	6.5	5.3	4.9	4.7	8.3	8.3
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	7.4
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	7.5
1981	13.9	11.2	10.1	11.5	10.3	6.6	5.9	4.6	3.8	6.7	7.5
1982	16.7	12.9	13.1	14.1	13.8	9.7	8.5	6.1	7.7	12.1	11.0
1983	18.7	12.2	13.2	14.8	13.9	10.3	9.4	7.3	10.6	13.8	11.8
1984	20.2	12.8	13.0	14.8	12.8	9.0	8.4	8.0	11.1	14.7	11.2
1985	20.8	13.3	13.6	15.1	11.8	8.0	8.2	8.1	10.0	14.1	10.5
1986	19.2	13.4	13.1	14.3	11.0	7.0	7.7	7.7	9.8	12.5	9.5
1987	17.9	13.2	12.3	13.1	10.3	6.1	7.4	7.4	9.6	11.9	8.8
1988	16.4	13.0	10.2	12.0	9.4	5.0	7.8	7.5	8.0	10.3	7.8

<sup>a</sup>Unadjusted series.

Source: Statistics Canada, Cat. No. 71-201, Labour Force Survey.

V - 3. EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR<sup>a</sup>, 1961-1986

Year	Logging	Wood industries					Paper and allied industries			
		Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash door, and other millwork industries	Other wood industries	Total	Pulp and paper mills	Other paper industries	Total forest industries
1961	..	46 688	..	..	..	35 397	82 085	63 789	34 503	98 292
1965	60 701	50 848	1 527	14 265	14 122	10 826	91 588	69 897	40 283	110 180
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	80 371	40 709	121 080
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	79 397	40 312	119 709
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	78 969	41 789	120 758
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	80 085	43 053	123 138
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	86 203	45 072	131 275
1975	53 622	49 156	1 609	12 732	23 083	11 137	97 717	84 046	43 296	127 342
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	86 995	43 212	130 207
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	84 533	39 930	124 463
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	85 601	41 182	126 783
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	87 055	41 863	128 918
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	86 872	43 438	130 310
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	87 882	43 142	131 024
1982	40 156	53 698	1 421	10 344	21 294	10 293	97 050	83 104	34 565	117 669
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	79 164	35 144	114 308
1984	48 022	58 767	1 648	9 174	22 740	10 612	102 941	79 404	36 395	115 799
1985	45 962	58 961	2 272	9 058	25 884	11 385	107 560	77 562	36 625	114 187
1986	45 760	56 688	2 550	8 780	30 692	12 256	110 966	79 570	37 493	117 063

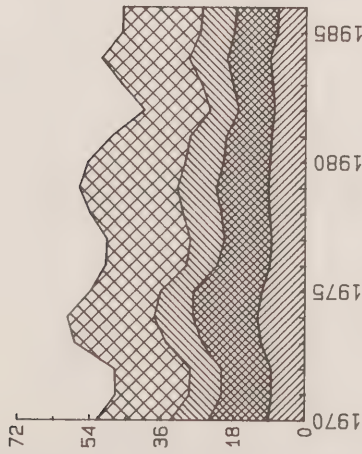
<sup>a</sup>Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, Census of manufactures.

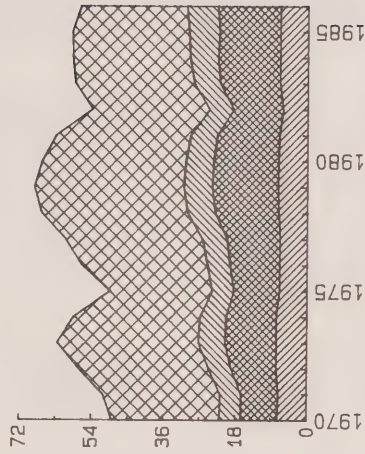


# **EMPLOYMENT** Thousands of persons

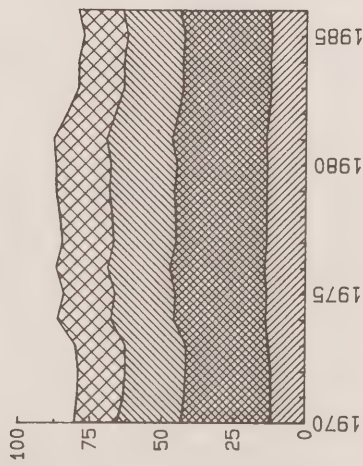
## **LOGGING**



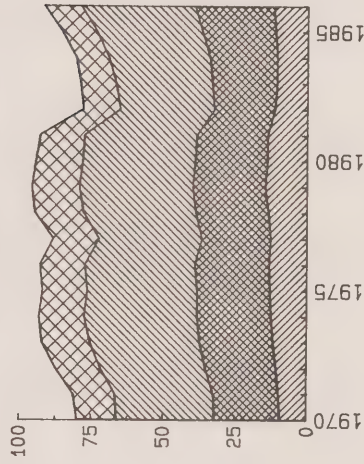
## **SAWMILLS AND PLANING MILLS**



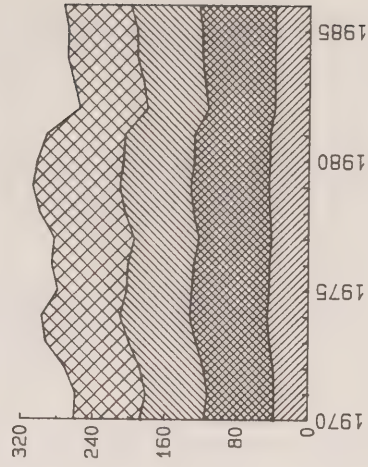
## **PULP AND PAPER MILLS**



## **OTHER FOREST INDUSTRIES**



## **TOTAL FOREST INDUSTRIES**



**Figure 24.** Employment in the forest industries by sector and region, 1970-1986

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE<sup>a</sup>, 1970-1986

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>A. Logging</b>											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	52 230
1971	1 778	-	1 427	3 466	12 521	8 125	432	518	652	18 364	47 284
1972	1 881	-	1 273	3 348	12 364	7 783	520	626	782	18 976	47 553
1973	2 404	-	1 524	4 533	14 690	8 983	563	677	1 306	22 906	57 586
1974	2 579	-	1 675	4 741	16 115	9 673	693	843	1 456	21 716	59 491
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	49 445
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 241	11	1 244	3 217	10 504	9 326	554	532	722	20 586	48 022
1985	1 205	x	1 472	2 831	10 802	8 482	423	532	714	19 488	45 962
1986	1 067	18	1 246	2 970	10 363	8 527	352	506	863	19 848	45 760
<b>B. Wood industries</b>											
1970	429	59	2 182	3 605	19 483	16 664	1 233	933	4 852	38 329	87 829
1971	447	69	1 889	3 570	19 975	16 835	1 330	1 035	5 002	41 652	91 846
1972	448	65	2 065	3 886	23 200	18 598	1 634	1 228	5 717	45 819	102 699
1973	505	72	1 982	3 967	25 592	20 662	1 943	1 236	6 065	49 547	111 600
1974	538	75	2 124	4 225	24 771	20 507	1 979	1 241	6 241	44 866	106 620
1975	482	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	97 717
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 004
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941
1985	445	208	1 995	3 764	29 588	23 207	2 104	1 260	5 386	39 603	107 560
1986	399	207	2 053	4 205	31 891	25 852	2 223	1 264	5 668	37 204	110 966

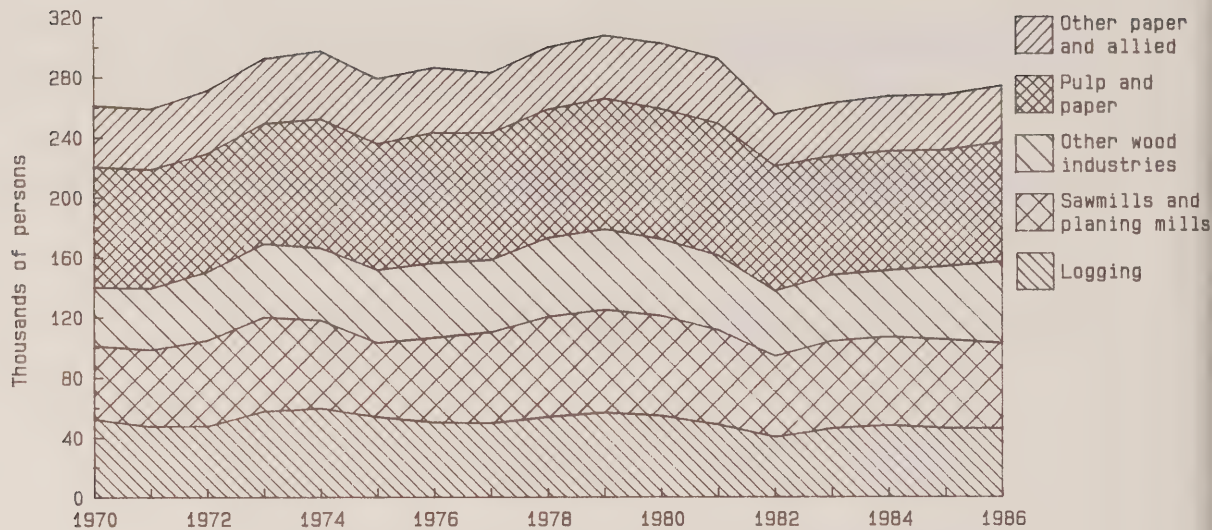


Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada <sup>b</sup>
<b>C. Paper and allied industries</b>											
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 080
1971	x	-	3 077	5 603	42 125	43 867	1 902	x	1 562	18 327	119 709
1972	x	-	3 043	5 505	41 988	44 580	2 192	x	1 680	120 758	120 758
1973	x	-	3 253	5 595	41 427	45 391	2 182	x	1 743	19 782	123 138
1974	x	-	3 319	5 925	45 367	47 404	x	x	2 155	20 768	131 275
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 463
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	128 918
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	131 024
1982	x	-	x	5 484	41 457	41 597	2 041	x	2 210	18 458	117 669
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 308
1984	x	-	2 993	5 738	41 107	41 690	1 746	x	2 187	17 433	115 799
1985	x	-	3 102	5 609	41 231	40 990	1 526	x	2 264	16 850	114 187
1986	x	-	3 136	6 351	42 470	41 429	1 507	x	2 297	17 254	117 063
<b>D. Forest industries</b>											
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	261 139
1971	x	x	6 393	12 639	74 621	68 827	3 664	x	7 216	78 343	258 839
1972	x	x	6 381	12 739	77 552	70 961	3 846	x	8 179	83 599	271 010
1973	x	x	6 759	14 095	81 709	75 036	4 688	x	9 114	92 235	292 324
1974	x	x	7 118	14 891	86 253	77 584	x	x	9 852	87 350	297 386
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	278 681
1976	x	87	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	286 263
1977	x	110	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	307 580
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	301 987
1981	x	133	6 172	x	84 244	77 354	5 097	x	10 384	86 848	291 996
1982	x	124	x	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875
1983	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 240
1984	x	230	6 104	12 458	80 214	71 167	4 232	x	8 417	76 920	266 762
1985	x	x	6 569	12 204	81 621	72 679	4 053	x	8 364	75 941	267 709
1986	x	x	6 435	13 526	84 724	75 808	4 082	x	8 828	74 306	273 789

<sup>a</sup>Census of manufactures.<sup>b</sup>Including Yukon and Northwest Territories.

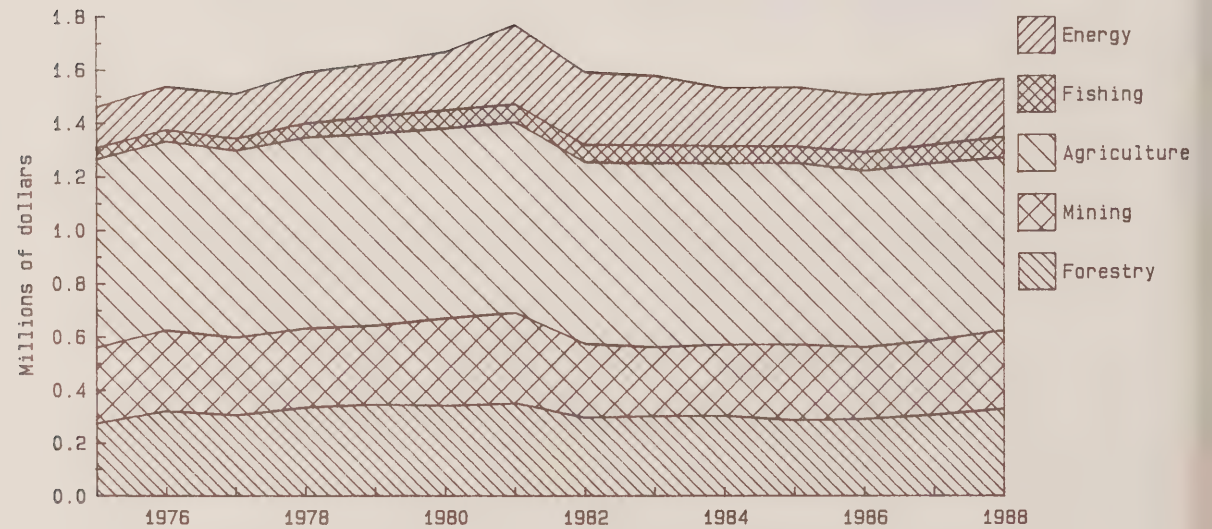
Source: Statistics Canada Cat. No. 25-202.

EMPLOYMENT



**Figure 25.** Employment in the forest industries by sector, 1970-1986.  
Source: Statistics Canada, Census of manufactures, Cat. No. 25-202.

EMPLOYMENT



**Figure 26.** Employment by industry sector, 1975-1988.  
Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey.

## SECTION VI

### SELLING PRICE INDEXES AND ANNUAL AVERAGE PRICES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1981 = 100 industry aggregation of elemental commodities can be directly related to the 1971 = 100 Industry Selling Price Indexes which are available from 1956 to 1987. Link factors, derived from the relationship of the two series in December 1985, were published in the January issue of Catalogue 62-011.

In 1988, the time series related to forest products have been modified to accomodate actual needs. The new time series are only available as of 1981.

VI - 1. SELECTED FOREST INDUSTRY SELLING PRICE INDEXES, 1956-1988  
(1981 = 100)

Year	Wood industries			Paper and allied industries		All manufacturing industries
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Pulp and paper mills	Total	
1956	33.6	18.4	31.8	25.5	27.0	29.1
1960	31.9	16.8	27.9	26.0	27.6	30.2
1965	34.7	22.1	30.1	27.6	29.1	31.6
1970	37.7	27.2	33.8	30.5	32.6	36.0
1971	43.5	33.3	37.5	30.3	32.7	36.7
1972	55.1	46.5	45.0	30.5	33.0	38.3
1973	70.5	54.2	51.8	34.4	36.6	42.6
1974	64.1	47.1	57.9	46.7	49.6	50.7
1975	63.5	58.3	59.8	57.4	58.3	56.4
1976	71.3	74.5	63.6	58.2	59.7	59.3
1977	83.0	90.0	65.8	63.2	62.1	64.0
1978	100.9	104.0	82.8	65.7	66.7	69.9
1979	119.5	102.9	90.9	78.4	78.3	80.0
1980	105.8	99.9	89.3	91.1	90.6	90.7
1981	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.5	95.9	93.2	101.3	103.3	106.7
1983	111.4	113.2	101.1	95.1	99.9	110.4
1984	106.3	119.0	97.4	108.4	111.2	115.4
1985	107.8	107.2	100.2	108.5	112.6	118.6
1986	117.6	112.8	115.5	113.9	117.3	119.6
1987	119.2	115.9	115.5	126.6	128.4	122.7
1988	122.1	133.3	113.7	140.2	140.8	128.0

Source: Statistics Canada Cat. No. 62-011.

## LVI - 2. SELLING PRICE INDEXES - LUMBER PRODUCTS, 1981-1988

Year	Softwood lumber by species				Softwood lumber market				Softwood lumber by region											
	Softwood lumber by species				Softwood lumber market				Softwood lumber by region											
	Douglas-fir		Western red cedar		Spruce-pine-fir		Northern American		Softwood lumber by region											
	Douglas-fir		Western red cedar		Spruce-pine-fir		Northern American		Softwood lumber by region											
Softwood lumber		B.C. Coast		B.C.		Canada		B.C. Coast		B.C. Coast		Overseas		Softwood lumber by region						
Domestic		Export		B.C. Coast		B.C.		Canada		B.C. Coast		B.C. Coast		Overseas		Softwood lumber by region				
Atlantic		Que.		Ont.		Prairies		Interior		Coast		Softwood lumber by region								
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
1982	98.6	96.6	92.9	105.3	94.4	102.9	97.8	96.1	94.2	96.1	95.3	93.4	95.3	100.5	100.5	100.5				
1983	120.3	121.6	107.4	134.3	120.9	130.4	99.7	118.5	118.8	118.5	115.3	117.6	122.0	120.8	120.8	120.8				
1984	116.2	111.1	101.9	130.1	110.7	121.4	97.8	113.4	120.1	113.4	113.4	109.1	110.0	113.4	113.4	113.4				
1985	113.3	113.1	104.7	117.7	113.3	118.4	102.1	117.5	119.4	117.5	115.8	115.1	111.0	115.4	115.4	115.4				
1986	123.5	127.3	101.5	130.0	128.7	129.1	118.0	126.9	131.4	126.9	123.0	125.4	127.4	127.3	127.3	127.3				
1987	123.0	125.9	107.6	131.2	123.4	131.6	153.4	144.8	144.8	127.0	117.9	111.7	122.9	132.0	132.0	132.0				
1988	126.9	127.2	117.6	139.6	117.3	137.1	186.7	133.2	133.2	120.5	107.6	107.7	123.7	143.2	143.2	143.2				

**Note:** Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.



## VI - 3. SELLING PRICE INDEXES - WOOD PULP AND PAPER PRODUCTS, 1981-1988

Year	Wood pulp						Paper products					
	Total	Sulphite bleached		Sulphate bleached		Newsprint		Other paper for printing	Fine papers n.e.s.	Wrapping paper	Paperboard	Building board
		Domestic	Export	Domestic	Export	Domestic	Export					
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1982	94.0	92.3	92.4	95.1	93.6	109.3	104.7	105.7	105.7	105.6	106.2	
1983	81.8	76.0	79.7	85.7	80.9	104.8	98.7	105.5	102.5	110.2	109.3	
1984	101.7	91.6	97.1	104.4	102.3	115.1	109.6	113.9	107.4	120.4	112.3	
1985	88.1	85.1	83.7	93.4	87.3	126.5	119.7	121.5	109.8	123.7	118.5	
1986	97.7	91.3	95.6	100.8	98.2	128.8	123.0	122.4	115.7	125.4	118.0	
1987	121.0	116.4	119.2	127.0	122.4	136.2	129.2	126.1	125.7	134.6	115.2	
1988	141.1	132.3	138.3	149.2	143.0	152.1	137.5	138.8	136.5	144.1	115.2	

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.



VI - 4. SELLING PRICE INDEXES - OTHER FOREST PRODUCTS, 1981-1988

Year	Wood chips	Veneer					Plywood			
		Shingles	Shakes	Birch	Other hardwoods	Softwoods	Birch	Other hardwoods	Douglas-fir	Other softwoods
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	106.1	98.1	92.8	89.3	103.0	92.1	101.6	94.6	90.3	88.3
1983	85.4	110.6	118.8	98.7	109.3	100.5	105.3	101.5	94.6	107.5
1984	88.0	115.5	126.0	100.5	113.2	99.6	114.8	108.1	89.0	95.4
1985	87.3	103.9	112.7	85.1	113.6	107.1	113.6	107.6	92.6	103.1
1986	87.7	102.9	125.6	95.4	117.3	116.6	120.9	110.5	112.8	129.0
1987	97.5	109.0	124.7	106.6	121.4	120.1	120.9	118.1	107.9	126.1
1988	106.8	125.6	145.0	102.6	125.8	121.3	116.9	117.5	104.9	119.4

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.



## SECTION VII

### FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- Capital and repair expenditures
- Contribution to Canadian Gross Domestic Product
- Corporate profits and profitability
- Economic indicators
- Income taxes

#### Gross Domestic Product

Since 1986, the gross domestic product (GDP) replaced the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the international practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border.

In table VII-6, VII-7, VII-8 and VII-9, you will notice that the national GDP is shown to be greater than the sum of the provincial GDPs. This is mainly because the domestic territory of the country is defined to include embassies and military bases on foreign soil. Thus there is Canadian domestic production that does not occur within the geographic boundaries of any province or territory.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1986, and catalogue 13-213.

VII - 1. CORPORATE PROFITS AND PROFITABILITY<sup>a</sup> - FOREST INDUSTRIES, 1970-1986

Year	Wood industries				Paper and allied industries				Manufacturing industries			
	Before tax		Profitability		Before tax		After tax		Profitability		Before tax	
	\$000 000		%		\$000 000		\$000 000		%		\$000 000	%
1970	-13	-22	-0.6		229	155			3.7		2 899	1 662
1971	51	10	1.8		111	64			2.2		3 679	2 179
1972	189	90	6.0		139	65			2.4		4 361	2 590
1973	480	284	15.7		799	573			10.1		6 607	4 142
1974	188	94	6.2		1 337	852			12.2		8 697	5 272
1975	60	9	1.5		826	574			7.8		7 652	4 564
1976	206	94	5.1		573	343			5.4		7 367	4 542
1977	402	232	9.7		582	308			4.5		9 397	4 561
1978	750	474	15.7		1 191	817			8.9		10 085	6 492
1979	874	546	15.6		1 621	905			8.9		14 213	9 064
1980	380	242	6.4		2 465	1 604			13.0		15 109	9 498
1981	69	36	1.7		2 096	1 536			10.3		14 396	9 076
1982	-277	-190	-3.2		-39	28			1.4		4 910	2 844
1983	220	167	4.9		-25	32			1.1		8 796	5 715
1984	173	137	4.1		917	714			4.8		15 767	10 704
1985	413	318	7.3		778	446			3.2		14 371	9 172
1986	749	530	10.4		1 992	1 227			6.2		19 260	12 994

<sup>a</sup> Profitability as a measure of return on capital employed was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

VII - 2. CORPORATE INCOME TAXES PAID BY FOREST INDUSTRIES, 1970-1987

Year	Forestry			Wood industries			Paper and allied industries			Total		
	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total
	\$000 000											
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.3	484.7	262.3	747.0
1980	32.2	17.8	50.0	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.5	665.0
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.3	5.8	16.1	27.4	12.0	39.4	73.1	41.1	114.2	110.8	58.9	169.7
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.7	8.7	24.4	37.5	21.1	58.6	87.0	72.2	159.2	140.2	102.0	242.2
1985	15.5	9.0	24.5	40.9	27.0	67.9	118.1	89.9	208.0	174.5	125.9	300.4
1986	16.4	11.2	27.6	69.5	46.3	115.8	135.5	119.5	255.0	221.4	177.0	398.4
1987p	19.0	12.8	31.8	115.4	69.2	184.5	270.0	179.8	449.9	404.4	261.8	666.2

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

## VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1987

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other <sup>a</sup>	Canada
<b>A. Forestry</b>													
							\$000						
1970	x	-	155	344	866	832	x	x	x	18 603	-	x	21 454
1971	206	-	177	528	1 763	954	66	-	528	16 399	-	x	20 670
1972	132	-	303	712	x	2 577	23	x	415	23 963	x	-	29 690
1973	189	-	861	612	1 871	4 645	x	x	495	43 378	x	x	52 169
1974	271	-	1 674	741	2 234	4 172	x	x	x	32 290	-	x	42 160
1975	108	-	545	834	x	2 105	x	224	x	22 015	x	-	28 942
1976	215	-	501	872	2 973	2 753	x	332	1 474	34 246	x	-	43 436
1977	109	-	x	902	2 628	3 429	29	325	1 597	45 937	x	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	372	2 451	50 102	x	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 798	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	x	x	x	114 621	x	x	147 949
1981	481	-	2 713	2 197	11 658	8 525	x	908	2 313	54 577	x	197	84 185
1982	604	x	1 372	2 189	14 358	9 983	x	759	x	42 889	x	x	75 200
1983	570	x	1 101	x	17 516	11 600	471	938	x	59 001	x	x	98 463
1984	526	x	3 318	4 955	29 531	17 780	482	x	x	63 791	x	x	125 607
1985	703	x	2 993	5 532	36 585	17 139	489	x	3 927	63 151	x	x	132 406
1986	819	x	3 767	6 082	37 307	20 825	543	1 756	5 381	68 605	x	x	145 331
1987p	1 426	x	5 031	5 922	43 975	21 844	441	1 674	x	79 349	x	782	166 564
<b>B. Wood industries</b>													
1970	x	x	835	722	10 746	10 789	399	361	4 089	11 323	-	-	39 326
1971	51	x	996	646	14 473	13 273	457	1 773	5 114	32 558	-	-	69 343
1972	73	x	1 775	1 081	32 502	22 433	627	4 851	15 921	82 103	x	-	162 635
1973	149	x	3 124	6 996	64 166	39 709	1 561	2 610	14 949	201 771	x	-	339 351
1974	x	31	4 219	6 879	40 992	37 986	1 455	2 210	8 552	80 340	x	-	182 922
1975	x	421	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	-	x	150 364
1976	x	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	245 446
1977	x	x	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	x	332 455
1978	x	x	3 879	4 234	65 469	52 091	3 981	10 233	23 071	391 233	-	x	554 759
1979	x	x	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	490	697 696
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	201	318 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	50	207 635
1982	250	78	2 004	2 425	38 123	46 402	3 130	1 522	8 654	31 228	x	x	133 859
1983	296	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	x	277	236 027
1984	400	x	4 951	10 597	108 098	67 429	6 521	5 621	8 722	57 861	x	x	270 794
1985	576	x	5 608	5 810	104 167	74 924	6 546	6 338	11 182	92 700	x	165	308 054
1986	411	x	7 624	14 615	128 725	86 142	7 237	4 479	15 375	195 267	x	106	460 086
1987p	530	122	7 458	19 523	151 913	111 404	13 257	5 688	22 639	330 125	x	x	662 807



VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1987 (CONCLUDED)

Sector/ Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other <sup>a</sup>	Canada
C. Paper and allied industries													
							\$000						
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1971	63	x	2 961	1 175	27 767	40 439	3 142	411	6 581	41 365	-	x	124 160
1972	125	-	3 022	1 081	38 277	46 339	2 455	457	5 438	53 904	-	407	151 505
1973	404	244	5 684	11 515	78 749	112 882	5 083	865	15 904	127 537	-	1 662	360 529
1974	19 466	x	11 700	32 087	278 793	261 061	10 402	1 746	35 206	92 699	-	1 046	744 411
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	x	387 540
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	x	375 114
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 528	151 874	2 620	972	18 892	140 532	-	x	644 059
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	351 886	x	245	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	837 138
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	33 316	64 293	x	x	336 566
1982	2 351	-	29 912	4 868	139 913	108 618	6 685	x	33 316	10 054	x	-	347 003
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	-	697 628
1984	x	x	34 950	22 044	263 014	288 279	10 494	1 878	43 906	20 419	-	x	868 384
1985	22 743	x	15 285	15 134	349 805	350 959	x	2 620	33 231	22 387	-	x	1 107 555
1986	x	x	37 681	15 305	399 912	438 741	14 597	2 856	54 047	126 621	-	545	1 607 362
1987p	16 988	x	59 952	45 495	540 919	622 846	15 793	3 575	79 835	221 258	-	x	
D. Forest industries													
1970	94	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1971	320	x	4 134	2 349	44 003	54 666	3 665	2 184	12 223	90 302	-	x	214 173
1972	330	x	3 159	2 874	70 779	71 349	3 105	5 308	21 854	159 970	x	407	343 830
1973	742	244	9 669	19 123	144 786	157 236	6 644	7 505	30 853	372 686	x	1 662	752 049
1974	19 737	31	17 593	39 707	322 019	303 219	11 857	3 956	43 758	205 329	x	1 046	969 493
1975	14 814	421	39 324	21 965	183 596	142 004	5 663	5 475	43 872	105 095	x	x	566 846
1976	580	x	32 332	6 006	147 572	108 291	5 096	7 533	53 611	301 926	x	x	663 996
1977	10 119	120	38 552	3 421	179 076	119 876	7 527	8 061	43 247	357 209	x	x	782 167
1978	35 829	163	39 586	11 893	318 007	209 538	6 678	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	179	72 032	26 859	558 101	371 830	8 481	10 047	75 209	941 346	x	735	2 115 021
1980	56 038	116	104 172	46 269	561 209	478 460	12 251	37 854	72 408	469 830	x	201	1 844 861
1981	52 672	93	72 201	26 185	263 439	432 370	12 498	9 504	52 623	199 310	x	247	1 128 958
1982	3 205	78	33 288	9 482	192 394	165 003	2 281	2 281	44 283	84 171	118	x	545 625
1983	2 858	303	15 420	7 243	213 828	244 963	14 795	7 499	28 131	133 381	x	277	681 493
1984	926	x	43 219	37 596	400 643	373 488	17 848	7 950	52 628	142 071	x	x	1 094 029
1985	24 022	x	23 886	26 476	490 557	483 022	7 035	8 958	48 340	178 238	x	165	1 308 844
1986	1 230	x	46 072	36 002	565 944	545 708	22 377	9 091	74 803	390 493	x	651	1 712 972
1987p	18 944	122	72 441	70 940	736 807	756 094	29 491	10 937	102 474	630 732	x	782	2 436 733

<sup>a</sup>Other: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

## VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1989

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total <sup>a</sup>
\$000 000						
<b>A. Logging industry</b>						
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1971	27.2	26.7	109.3	11.3	7.1	181.8
1972	28.9	31.5	134.2	13.3	8.6	216.0
1973	41.7	46.0	175.2	27.9	11.2	302.0
1974	71.3	58.6	215.2	30.2	16.1	391.4
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.6	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986	60.2	127.7	287.2	33.2	20.1	528.4
1987	63.2	111.6	324.0	38.6	25.7	563.1
1988p	79.9	130.2	324.2	44.3	29.9	608.5
1989 revised	95.7	138.8	338.5	42.3	32.6	647.9
<b>B. Wood industries</b>						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1971	26.8	25.3	158.8	7.0	26.1	244.0
1972	46.2	39.8	167.7	9.6	24.4	287.7
1973	70.6	63.2	235.4	21.3	26.3	416.8
1974	83.3	92.2	212.2	25.3	31.1	444.1
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.1
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.1	723.9
1986	142.6	111.3	453.2	17.3	136.2	861.0
1987	157.9	195.1	738.9	32.8	115.3	1 240.4
1988p	226.6	322.9	858.2	33.6	126.2	1 568.2
1989 revised	171.5	234.9	838.7	28.4	119.4	1 393.3

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total <sup>a</sup>
\$000 000						
<b>C. Paper and allied industries</b>						
1950	45.1	44.3	33.0	.. <sup>b</sup>	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1971	122.8	160.2	261.5	194.4	42.6	781.5
1972	171.4	132.7	226.1	108.9	69.3	708.4
1973	263.3	162.1	154.5	56.5	76.4	712.8
1974	348.7	251.6	230.3	93.2	44.1	967.9
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 195.5
1985	994.8	908.8	534.1	566.3	166.4	3 170.4
1986	1 408.0	676.8	553.0	504.2	126.6	3 268.6
1987	1 599.7	778.7	993.9	482.9	293.7	4 148.9
1988p	1 514.5	1 048.8	1 288.1	733.8	739.1	5 324.3
1989 revised	2 215.0	1 290.8	2 000.1	907.9	941.7	7 355.5
<b>D. Forest industries</b>						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1971	176.8	212.2	529.6	212.7	75.8	1 207.3
1972	246.5	204.0	528.0	131.8	102.3	1 212.1
1973	375.6	271.3	565.1	105.5	113.9	1 431.6
1974	503.3	402.4	657.7	148.7	91.3	1 803.4
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	246.8	4 423.2
1986	1 610.8	915.8	1 293.4	554.7	282.9	4 658.0
1987	1 820.8	1 085.4	2 056.8	554.3	434.7	5 952.4
1988p	1 821.0	1 501.9	2 470.5	811.7	895.2	7 501.0
1989 revised	2 482.2	1 664.5	3 177.3	978.6	1 093.7	9 396.7

<sup>a</sup>Includes Northwest Territories and Yukon.<sup>b</sup>Included in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202, 61-205 and 61-206.

## VII - 5. GENERAL ECONOMIC INDICATORS BY QUARTER, 1982-1988

Year	Quarter	Gross domestic product <sup>a</sup> at 1981 prices percent change	Consumer price index (1981 = 100) percent change	Unemployment rate <sup>a</sup> (%)	Canadian dollar U.S. funds	Merchandise trade balance (\$000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975 = 1000)
1982	1	-1.2	2.5	8.9	0.8273	+3 321	16.67	1 682.0
	2	-1.2	3.1	10.4	0.8037	+4 637	17.42	1 479.6
	3	-0.7	2.1	12.2	0.8002	+5 132	16.08	1 542.4
	4	-0.8	1.6	12.8	0.8121	+4 564	13.08	1 856.8
1983	1	1.7	0.6	12.5	0.8148	+4 321	11.67	2 092.6
	2	2.3	1.4	12.2	0.8123	+5 268	11.00	2 402.8
	3	1.6	1.6	11.6	0.8112	+3 953	11.00	2 486.8
	4	0.8	0.9	11.1	0.8075	+3 916	11.00	2 484.8
1984	1	1.6	1.3	11.4	0.7966	+3 918	11.17	2 423.6
	2	2.3	0.8	11.4	0.7737	+4 941	12.00	2 258.0
	3	1.1	0.9	11.3	0.7611	+5 412	13.17	2 307.2
	4	1.1	0.7	11.1	0.7585	+5 566	11.92	2 374.0
1985	1	1.1	1.2	11.1	0.7391	+5 093	11.42	2 600.9
	2	0.6	1.1	10.6	0.7303	+4 118	10.58	2 694.7
	3	1.0	0.9	10.2	0.7353	+3 210	10.33	2 743.6
	4	2.1	0.9	10.1	0.7250	+3 979	10.00	2 810.9
1986	1	0.3	1.2	9.7	0.7124	+2 193	12.00	2 915.4
	2	0.8	0.8	9.6	0.7225	+2 578	10.58	3 095.5
	3	0.1	1.2	9.7	0.7218	+2 326	9.75	2 980.9
	4	0.1	1.0	9.4	0.7221	+2 713	9.75	3 050.6
1987	1	1.6	0.9	9.6	0.7476	+3 171	9.08	3 529.1
	2	1.3	1.4	9.0	0.7503	+2 752	9.42	3 714.1
	3	1.5	1.2	8.7	0.7563	+2 988	9.83	3 975.4
	4	1.6	0.7	8.2	0.7630	+2 065	9.75	3 052.6
1988	1	0.8	0.9	7.8	0.7890	+2 072	9.75	3 191.9
	2	1.1	1.3	7.7	0.8132	+2 557	10.42	3 343.5
	3	0.8	1.1	7.8	0.8201	+3 099	11.25	3 315.4
	4	0.6	0.8	7.7	0.8290	+1 866	11.92	3 360.1

<sup>a</sup>Seasonally adjusted at annual rates.

Source: Statistics Canada Cat. No. 13-001, 13-004, 13-007, and 11-010.

VII - 6. GENERAL ECONOMIC INDICATORS, 1970-1988

Year	G.D.P. <sup>a</sup> at market price		G.D.P. in constant (1981 dollar)		Implicit price index		Consumer price index		Unemployment rate %	Canadian dollar in U.S. funds	Merchandise trade balance \$000 000	Prime rate %	Conventional 5-yr mortgage rate %
	Value (\$000 000)	Percent change	Value (\$000 000)	Percent change	(1981=100)	Percent change	(1981=100)	Percent change					
1970	89 116	7.3	219 498	2.6	40.6	4.6	41.0	3.3	5.7	0.9579	+ 2 951	8.17	10.45
1971	97 290	9.2	232 137	5.8	41.9	3.2	42.2	2.9	6.2	0.9903	+ 2 468	6.48	9.43
1972	108 629	11.7	245 441	5.7	44.3	5.7	44.2	4.7	6.2	1.0096	+ 1 951	6.00	9.21
1973	127 372	17.3	264 369	7.7	48.2	8.8	47.6	7.7	5.5	0.9999	+ 2 923	7.65	9.59
1974	152 111	19.4	276 006	4.0	55.1	14.3	52.8	10.9	5.3	1.0225	+ 1 835	10.75	11.24
1975	171 540	12.8	283 187	2.6	60.6	10.0	58.5	10.8	6.9	0.9830	- 345	9.42	11.43
1976	197 924	15.4	300 638	6.1	65.8	8.6	62.9	7.5	7.1	1.0141	+ 1 559	10.04	11.78
1977	217 879	10.1	311 504	3.6	69.9	6.2	67.9	7.9	8.1	0.9403	+ 2 972	8.50	10.36
1978	241 604	10.9	325 751	4.6	74.2	6.1	73.9	8.8	8.3	0.8770	+ 4 312	9.69	10.59
1979	276 096	14.3	338 362	3.9	81.6	10.0	80.7	9.2	7.4	0.8536	+ 4 424	12.90	11.17
1980	309 891	12.2	343 384	1.5	90.3	10.7	88.9	10.2	7.5	0.8554	+ 8 778	14.25	14.31
1981	355 994	14.9	355 994	3.7	100.0	10.9	100.0	12.5	7.5	0.8340	+ 7 292	19.29	18.15
1982	374 442	5.2	344 543	-3.2	108.7	8.7	110.8	10.8	11.0	0.8103	+17 654	15.81	17.89
1983	405 717	8.4	355 445	3.2	114.1	5.0	117.2	5.8	11.8	0.8114	+17 457	11.17	13.29
1984	444 735	9.6	377 855	6.3	117.7	3.1	122.3	4.4	11.2	0.7723	+19 837	12.06	13.61
1985	478 765	7.7	395 217	4.6	121.1	2.9	127.2	4.0	10.5	0.7325	+16 400	10.58	12.18
1986	506 483	5.8	407 736	3.2	124.2	2.6	132.4	4.1	9.5	0.7199	+ 9 810	10.52	11.22
1987	549 692	8.5	424 136	4.0	129.6	4.3	138.2	4.4	8.8	0.7541	+10 976	9.52	11.14
1988	598 732	8.9	443 375	4.5	135.0	4.2	143.8	4.1	7.8	0.8125	+ 9 594	10.83	11.60

<sup>a</sup>Gross domestic product. In 1987, GNP data were revised back to 1982.

Source: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.

VII - 7. RELATION BETWEEN GROSS DOMESTIC PRODUCT (G.D.P.) AT MARKET PRICE  
AND GROSS DOMESTIC PRODUCT AT FACTOR COST, 1970-1988

Year	G.D.P. at market price	Deduct: indirect taxes less subsidies	Deduct: statistical discrepancy	Equals: G.D.P. at factor cost
	\$000 000			
1970	89 116	11 095	684	77 337
1971	97 290	12 053	792	84 445
1972	108 629	13 627	147	94 855
1973	127 372	15 311	14	112 047
1974	152 111	17 867	-560	134 804
1975	171 540	17 087	90	154 363
1976	197 924	20 992	-141	177 073
1977	217 879	23 188	1 109	193 582
1978	241 604	24 819	-59	216 844
1979	276 096	26 635	-199	249 660
1980	309 891	27 272	45	282 574
1981	355 994	36 457	173	319 364
1982	374 442	38 908	350	335 184
1983	405 717	40 135	2 247	363 335
1984	444 735	42 714	863	401 158
1985	478 765	47 176	653	430 936
1986	506 483	53 825	132	452 526
1987	549 692	58 011	30	491 651
1988	598 732	65 075	-1 580	535 237

Source: Statistics Canada Cat. No. 11-010



VII - 8. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) AT FACTOR COST<sup>a</sup>, 1970-1988  
(1981 Prices)

Year	Total economy		Forestry services		Logging		Wood industries		Paper and allied industries		Total forest industries	
	\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%
1970	203 024.8		209.0	0.1	1 675.1	0.8	2 048.0	1.0	5 360.9	2.6	9 293.0	4.6
1971	214 902.9		241.5	0.1	1 643.8	0.8	2 097.8	1.0	5 286.9	2.5	9 270.0	4.3
1972	227 067.2		228.8	0.1	1 773.8	0.8	2 121.8	0.9	5 751.6	2.5	9 876.0	4.4
1973	244 958.8		202.3	0.1	1 984.4	0.8	2 336.9	1.0	6 218.0	2.5	10 741.6	4.4
1974	253 979.9		206.6	0.1	1 994.0	0.8	2 423.9	1.0	6 730.6	2.7	11 355.1	4.5
1975	257 532.0		227.9	0.1	1 608.5	0.6	2 153.3	0.8	4 790.5	1.9	8 780.2	3.4
1976	272 995.6		241.0	0.1	1 743.8	0.6	2 611.0	1.0	5 911.9	2.2	10 507.7	3.9
1977	281 762.1		249.0	0.1	1 875.4	0.7	2 897.5	1.0	5 840.3	2.1	10 862.2	3.9
1978	290 559.5		257.6	0.1	2 082.2	0.7	2 906.6	1.0	6 455.8	2.2	11 702.2	4.0
1979	301 852.5		264.5	0.1	2 061.5	0.7	2 915.8	1.0	6 373.9	2.1	11 615.7	3.9
1980	307 388.8		266.5	0.1	2 094.4	0.7	3 108.0	1.0	6 243.9	2.0	11 712.8	3.8
1981	319 538.1		262.7	0.1	2 045.0	0.6	2 986.2	0.9	5 996.8	1.9	11 290.7	3.5
1982	307 863.5		248.3	0.1	1 708.9	0.6	2 415.7	0.8	5 139.5	1.7	9 512.4	3.1
1983	317 858.7		257.8	0.1	2 254.4	0.7	2 986.0	0.9	5 753.3	1.8	11 251.5	3.5
1984	336 941.3		244.2	0.1	2 534.2	0.8	3 349.5	1.0	5 961.0	1.8	12 088.9	3.6
1985	353 253.8		260.3	0.1	2 506.8	0.7	3 794.6	1.1	5 850.7	1.7	12 412.4	3.5
1986	364 540.5		267.4	0.1	2 555.5	0.7	3 835.9	1.1	6 256.5	1.7	12 915.3	3.5
1987	379 243.8		272.4	0.1	2 840.1	0.7	4 390.7	1.2	6 540.5	1.7	14 043.7	3.7
1988	395 896.7		302.3	0.1	2 854.3	0.7	4 375.0	1.1	6 721.4	1.7	14 254.8	3.6

agdp at factor cost in 1981 prices is a summation of all industries and there is no adjustments for the statistical discrepancy.

Source: Statistics Canada Cat. No. 15-001.

## VII - 9. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) BY PROVINCE, 1985 AND 1987

Province	Provincial G.D.P. at market prices		Indirect taxes		Subsidies		G.D.P. at factor cost <sup>a</sup>		Logging industry		Wood industries		Paper and allied industries		Forestry services		Total forest industries	
	\$000 000 (current \$)		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000		\$000 000	
A. G.D.P. at factor cost and forestry contribution - 1985																		
Nfld.	6 207	752		560	6 015		56.5	0.9		8.5	0.1	x	x		12.0	0.2	x	x
P.E.I.	1 329	148	5		1 186		3.3	0.3		6.0	0.5	-	-		1.5	0.1	10.8	0.9
N.S.	11 552	1 499	293		10 346		80.9	0.8		51.7	0.5	184.6	1.8		13.4	0.1	330.6	3.2
N.B.	8 988	1 127	155		8 016		190.2	2.4		97.4	1.2	250.5	3.1		25.4	0.3	563.5	7.1
Que.	108 562	14 994	722		94 290		593.5	0.6		930.6	1.0	2 344.8	2.5		65.7	0.1	3 934.6	4.2
Ont.	185 944	24 754	456		161 642		507.6	0.3		765.6	0.5	2 056.8	1.3		78.2	-	3 408.2	2.1
Man.	17 953	2 210	83		15 826		34.9	0.2		62.7	0.4	84.1	0.5		5.0	-	186.7	1.2
Sask.	17 288	1 952	212		15 548		32.0	0.2		44.2	0.3	x	x		6.2	-	x	x
Alta.	63 597	4 592	556		59 561		111.9	0.2		232.7	0.4	177.5	0.3		55.4	0.1	577.5	1.0
B.C.	54 445	6 732	95		47 808		992.4	2.1		1 749.1	3.7	1 119.0	2.3		74.1	0.2	3 934.6	8.2
Total	477 881	58 834		3 832	422 879		2 604.0	0.6		3 948.6	0.9	6 348.7	1.5		336.9	0.1	13 238.2	3.1
B. G.D.P. at factor cost - 1987																		
Nfld.	7 138	886		130	6 382		..	..		..	..	..	..		..	..	..	..
P.E.I.	1 608	173		72	1 507		..	..		..	..	..	..		..	..	..	..
N.S.	13 374	1 737		264	11 901		..	..		..	..	..	..		..	..	..	..
N.B.	10 588	1 452		160	9 296		..	..		..	..	..	..		..	..	..	..
Que.	131 822	18 546		2 594	115 870		..	..		..	..	..	..		..	..	..	..
Ont.	224 674	30 507		2 346	196 513		..	..		..	..	..	..		..	..	..	..
Man.	20 049	2 617		1 087	18 519		..	..		..	..	..	..		..	..	..	..
Sask.	17 291	2 047		2 506	17 750		..	..		..	..	..	..		..	..	..	..
Alta.	58 982	4 781		2 518	51 683		..	..		..	..	..	..		..	..	..	..
B.C.	61 636	7 679		751	54 708		..	..		..	..	..	..		..	..	..	..
Total	549 397	70 517		12 506	491 386		..	..		..	..	..	..		..	..	..	..

<sup>a</sup> G.D.P. at factor cost = G.D.P. at market prices + subsidies - indirect taxes.

Note: 1986, 1987 data are not available and 1985 data were released in July 1989.

Source: Statistics Canada Cat. No. 13-213 and 15-203.

## SECTION VIII

### RELATED DATA

- Housing starts
- Transportation

## VIII - 1. TRANSPORT STATISTICS BY FOREST PRODUCTS, 1986-1988

	Railways			Trucking				Marine traffic			
	Revenue freight loaded domestically onto railway cars in Canada			For hire							
				Class 1-2	Class 3	Private	Total	Cargo tonnes loaded	Tonnes loaded (exports)	Tonnes unloaded (imports)	Total
	1986	1987	1988	-----				1986	-----		
Forest products							1 000 t				
Primary wood products	12 007	12 031	11 767	15 061	7 388	2 534	24 983	13 058	4 145	892	18 095
Logs and bolts	1 417	1 414	1 338	6 411	..	511	..	8 708	2 413	606	11 727
Pulpwood	1 813	1 543	1 279	890	..	1 216	..	4 349	1 731	285	6 365
Wood chips	8 777	9 074	9 150	7 409	..	807	..	..	..	..	..
Other primary products	..	..	..	351	..	..	..	1	1	1	3
Wood-fabricated materials	9 768	10 772	10 172	8 549	1 028	3 857	13 434	489	5 642	115	6 246
Lumber	8 356	9 086	8 487	7 480	..	1 791	..	481	5 480	58	6 019
Other wood products	1 412	1 686	1 685	1 069	..	2 066	..	8	162	57	227
Wood pulp and paper products	12 934	13 518	14 060	4 687	217	667	5 571	925	7 771	255	8 951
Wood pulp	6 220	6 482	6 699	1 204	..	144	..	545	4 412	39	4 996
Newsprint	5 183	5 535	5 452	2 524	..	375	..	362	2 831	10	3 203
Paperboard, pulpboard, fiberboard	1 531	1 501	1 909	959	..	148	..	18	528	206	752
Total forest products	34 709	36 321	35 999	28 297	8 633	7 058	43 988	14 472	17 558	1 262	33 292
Total products	237 455	249 320	258 344	154 714	32 482	71 415	258 611	60 506	144 561	62 012	267 079
%	14.6	14.6	13.9	18.3	26.6	9.9	17.0	23.9	12.1	2.0	12.5
											14.7

Source: Statistics Canada Cat. No. 52-001, 53-222, 54-209 and 54-210.

VIII - 2. DWELLING UNITS<sup>a</sup> STARTED BY PROVINCE, 1950-1988

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	92 531
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	108 858
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	190 528
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	233 653
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	249 914
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	268 529
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	222 123
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	231 456
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	273 203
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	245 724
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	227 667
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	197 049
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	158 601
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	177 973
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	125 860
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	162 645
1984	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	134 900
1985	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	165 826
1986	2 883	1 110	7 571	4 045	15 609	60 348	81 470	7 699	5 510	8 462	21 671	20 687	199 785
1987	2 682	933	6 460	3 716	13 791	74 179	105 213	8 174	4 895	10 790	23 859	28 944	245 986
1988	3 168	1 151	5 478	3 621	13 418	58 062	99 924	5 455	3 856	11 360	20 671	30 487	222 562

<sup>a</sup>Dwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Source: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. VALUE OF BUILDING CONSTRUCTION IN CANADA, <sup>a</sup> 1961-1988

Year	Residential			Industrial	Commercial	Institutional	Other	Total
	New	Repair	Total					
1960	1 456	457	1 913	452	738	615	333	4 051
					\$000 000			
1970	3 138	871	4 009	1 000	1 287	1 330	473	8 098
1971	4 025	951	4 976	1 023	1 405	1 456	507	9 367
1972	4 820	1 051	5 871	927	1 706	1 249	575	10 328
1973	5 977	1 188	7 165	1 162	2 211	1 200	666	12 404
1974	7 010	1 451	8 461	1 556	2 969	1 383	877	15 246
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089	16 609
1976	10 853	1 817	12 669	1 479	3 628	1 594	1 101	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123	21 308
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310	22 234
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414	24 706
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560	26 540
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979	31 537
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062	28 842
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905	30 753
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003	31 411
1985	21 170	2 975	24 145	3 470	8 697	3 119	2 028	41 459
1986	25 764	3 121	28 885	3 201	10 119	3 565	1 656	47 427
1987 <sup>p</sup>	32 803	3 200	36 003	3 189	12 068	4 172	1 796	57 228
1988 <sup>forecast</sup>	32 351	3 300	35 651	3 339	13 097	4 202	1 987	58 277

<sup>a</sup>Total value of construction work purchased by type of structure.

Source: Statistics Canada Cat. No. 64-201.



## SECTION IX

### WORLD FORESTRY

The world forestry figures were retrieved from the "1987 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization in collaboration with the Economic Commission for Europe compiled the results.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

**IX - 1. WORLD FOREST RESOURCES - FOREST AREAS AND GROWING STOCKS**  
**BY REGION AND SPECIES GROUP**

Continents and countries	Forest areas						Forest percent of land areas <sup>a</sup>	Merchantable volume		
	Closed forest		Other wooded land		Total			Growing stocks		
	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods		Softwoods	Hardwoods	Total
	1 000 ha						%	1 000 000 m <sup>3</sup>		
Total North America	453 298 <sup>b</sup>	..	296 022 <sup>b</sup>	..	749 320 <sup>b</sup>	..	37.9	31 334	15 420	46 754
Canada	243 698 <sup>b</sup>	..	209 622 <sup>b</sup>	..	453 320 <sup>b</sup>	..	43.7	17 834	5 320	23 154
United States	209 600 <sup>b</sup>	..	86 400 <sup>b</sup>	..	296 000 <sup>b</sup>	..	31.8	13 500	10 100	23 600
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	26.9	1 900	3 600	5 500
South America	19 474	647 498	1 000	247 047	20 474	894 545	51.4	900	90 600	91 500
Africa	7 776	228 088	6 115	501 734	13 891	729 822	24.5	200	24 800	25 000
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	30.5	8 000	4 000	12 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	41.5	65 300	20 600	85 900
Asia	86 552	275 270	15 688	90 722	102 238	365 992	18.5	6 000	32 000	38 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	27.9	700	5 300	6 000
World <sup>b</sup>	2 942 233 <sup>b</sup>	..	1 393 114 <sup>b</sup>	..	4 335 347 <sup>b</sup>	..	32.3	114 334	196 320	310 654

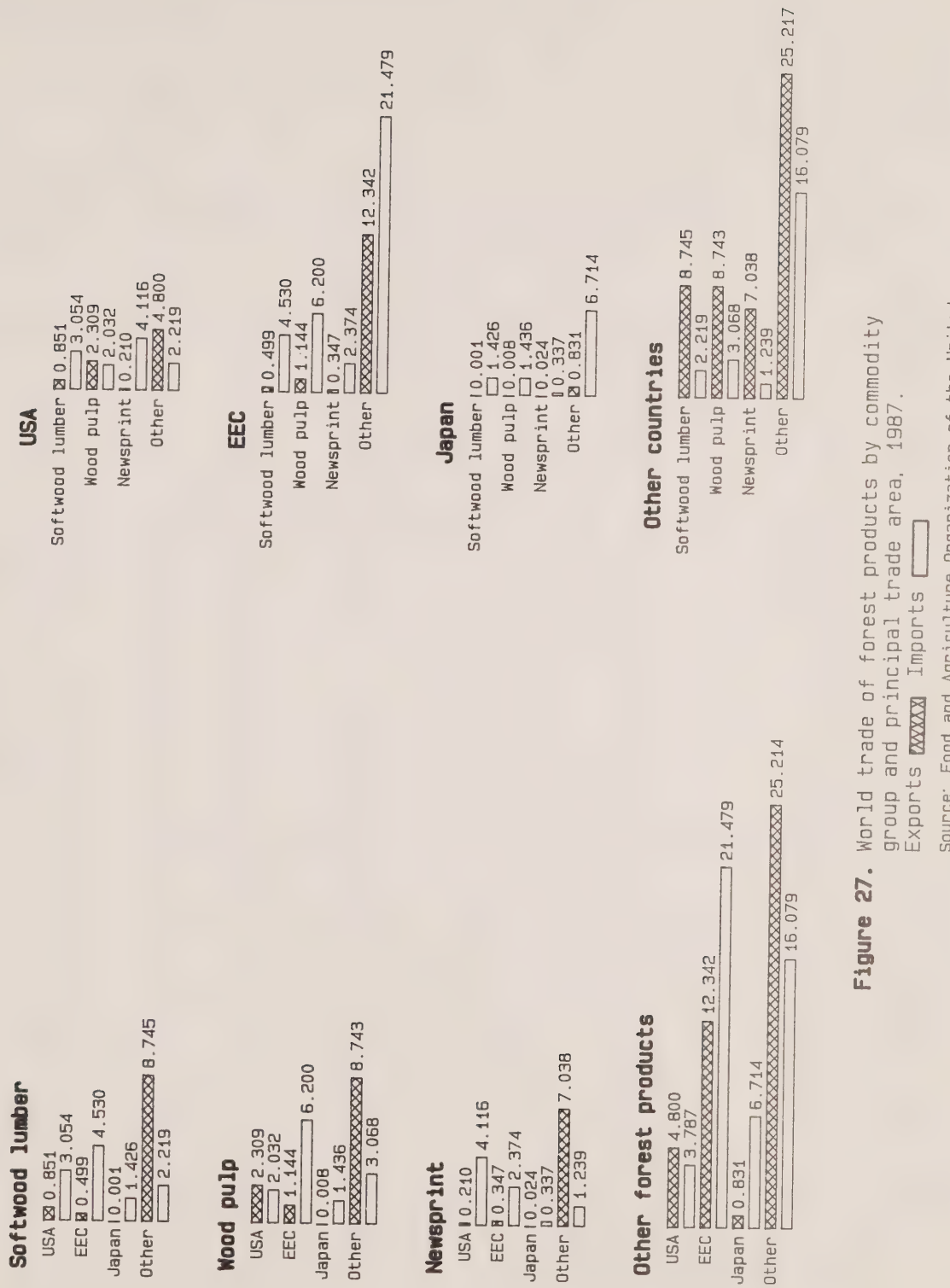
<sup>a</sup>Including water.

<sup>b</sup>Hardwoods are included.

Source: Forest resources 1980, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. Trends in timber supply and trade, Information review, 1980, Department of the Environment, London.

# WORLD TRADE

Billions of dollars



**Figure 27.** World trade of forest products by commodity group and principal trade area, 1987.

Source: Food and Agriculture Organization of the United Nations, 1987 Yearbook of forest products.

## IX - 2A. WORLD PRODUCTION OF ROUNDWOOD, 1986

Trade area <sup>a</sup>	Industrial roundwood						Fuelwood and charcoal	Total round- wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m <sup>3</sup>							
<b>Total North America</b>	<b>373 433</b>	<b>166 861</b>	<b>12 839</b>	<b>553 133</b>	<b>453 241</b>	<b>99 892</b>	<b>108 522</b>	<b>661 655</b>
Canada	128 573	40 601	1 370	170 544	160 703	9 841	6 600	177 144
United States	244 860	126 260	11 469	382 589	292 538	90 051	101 922	484 511
<b>Central America</b>	<b>6 883</b>	<b>2 974</b>	<b>1 090</b>	<b>10 947</b>	<b>7 944</b>	<b>3 004</b>	<b>47 378</b>	<b>58 326</b>
Mexico	3 947	2 864	237	7 048	6 329	719	14 180	21 228
<b>South America</b>	<b>57 096</b>	<b>28 495</b>	<b>7 351</b>	<b>92 941</b>	<b>38 683</b>	<b>54 258</b>	<b>221 161</b>	<b>314 102</b>
Brazil	39 983	20 900	5 245	66 128	27 266	38 862	171 646	237 774
Chile	5 751	3 922	553	10 226	9 142	1 084	6 171	16 397
Venezuela	600	-	26	626	-	626	684	1 310
<b>Africa</b>	<b>21 567</b>	<b>7 012</b>	<b>24 497</b>	<b>53 078</b>	<b>8 325</b>	<b>44 751</b>	<b>396 287</b>	<b>449 363</b>
Algeria	20	-	216	236	160	76	1 708	1 944
Morocco	131	326	257	714	148	566	1 292	2 006
Middle East - Africa	252	-	3 716	3 968	88	3 880	62 269	66 237
<b>Europe</b>	<b>155 311</b>	<b>114 275</b>	<b>25 285</b>	<b>294 871</b>	<b>211 110</b>	<b>83 761</b>	<b>58 540</b>	<b>353 411</b>
Western Europe	118 313	93 043	8 525	219 881	163 616	56 265	40 878	260 759
Economic Community	54 329	37 622	4 757	96 708	61 097	35 611	25 721	122 429
Belgium-Luxembourg	1 890	720	200	2 810	1 970	840	538	3 348
Denmark	941	500	356	1 797	1 312	485	406	2 203
France	19 260	9 599	580	29 439	16 105	13 334	10 430	39 869
Germany, Fed. Rep.	16 287	9 026	1 390	26 703	20 362	6 341	3 656	30 359
Greece	617	142	219	978	455	523	1 915	2 893
Ireland	659	513	27	1 199	1 188	13	46	1 245
Italy	3 203	965	476	4 644	1 411	3 233	4 979	9 623
Netherlands	490	402	128	1 020	689	331	116	1 136
Portugal	3 820	4 954	60	8 834	4 695	4 139	598	9 432
Spain	4 100	9 045	1 049	14 194	8 734	5 460	2 890	17 084
United Kingdom	3 062	1 756	272	5 090	4 178	912	147	5 237
Scandinavia	44 446	49 160	1 615	95 221	83 249	11 972	8 518	103 739
Finland	17 026	19 428	1 206	37 660	31 659	6 001	3 186	40 846
Norway	4 520	4 722	229	9 471	9 000	471	908	10 379
Sweden	22 900	25 010	180	48 090	42 590	5 500	4 424	52 514
Other Western Europe	19 538	6 261	2 153	27 952	19 270	8 682	6 639	34 591
Eastern Europe	36 998	21 232	16 760	74 990	47 494	27 496	17 662	92 652
<b>USSR</b>	<b>161 800</b>	<b>40 200</b>	<b>88 800</b>	<b>290 800</b>	<b>258 100</b>	<b>32 700</b>	<b>86 800</b>	<b>377 600</b>
<b>Asia</b>	<b>168 630</b>	<b>21 906</b>	<b>60 852</b>	<b>251 388</b>	<b>94 014</b>	<b>157 374</b>	<b>750 291</b>	<b>1 001 679</b>
China, People's Rep.	54 592	6 921	35 734	97 247	61 167	36 080	174 129	271 376
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 400	23 958	2 760	21 198	226 298	250 256
Japan	18 801	11 785	966	31 552	20 245	11 307	587	32 139
Korea, Rep. of (South)	1 066	330	849	2 245	1 662	583	4 395	6 640
Middle East - Asia	4 235	431	5 718	10 384	4 704	5 680	13 783	24 167
Southeast Asia	62 928	1 131	7 932	71 990	606	71 385	199 854	271 844
<b>Oceania</b>	<b>15 894</b>	<b>11 795</b>	<b>1 763</b>	<b>29 452</b>	<b>15 221</b>	<b>14 231</b>	<b>8 804</b>	<b>38 256</b>
Australia	8 144	7 859	1 116	17 119	6 146	10 973	2 880	19 999
New Zealand	4 937	3 718	636	9 291	8 978	313	50	9 341
<b>World</b>	<b>960 614</b>	<b>393 518</b>	<b>222 477</b>	<b>1 576 609</b>	<b>1 086 638</b>	<b>489 972</b>	<b>1 677 783</b>	<b>3 254 392</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

Trade area <sup>a</sup>	Industrial roundwood						Fuelwood and charcoal	Total round- wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m <sup>3</sup>							
<b>Total North America</b>	<b>409 153</b>	<b>173 411</b>	<b>12 919</b>	<b>595 483</b>	<b>494 191</b>	<b>101 292</b>	<b>120 023</b>	<b>715 506</b>
Canada	142 573	40 601	1 450	184 624	174 783	9 841	6 600	191 224
United States	266 580	132 810	11 469	410 859	319 408	91 451	113 423	524 282
<b>Central America</b>	<b>7 300</b>	<b>2 971</b>	<b>1 076</b>	<b>11 347</b>	<b>8 273</b>	<b>3 075</b>	<b>48 440</b>	<b>59 787</b>
Mexico	4 324	2 864	237	7 425	6 654	771	14 522	21 947
<b>South America</b>	<b>57 032</b>	<b>28 679</b>	<b>7 471</b>	<b>93 181</b>	<b>38 671</b>	<b>54 510</b>	<b>225 392</b>	<b>318 573</b>
Brazil	39 983	20 900	5 355	66 238	27 278	38 960	175 240	241 478
Chile	5 568	4 106	553	10 227	9 118	1 109	6 261	16 488
Venezuela	600	-	26	626	-	626	702	1 328
<b>Africa</b>	<b>21 360</b>	<b>7 046</b>	<b>25 015</b>	<b>53 421</b>	<b>8 412</b>	<b>45 009</b>	<b>407 748</b>	<b>461 169</b>
Algeria	20	-	224	244	165	79	1 764	2 008
Morocco	131	326	263	720	149	571	1 310	2 030
Middle East - Africa	252	-	3 776	4 028	88	3 940	63 985	68 013
<b>Europe</b>	<b>156 614</b>	<b>119 128</b>	<b>24 911</b>	<b>300 653</b>	<b>214 342</b>	<b>86 311</b>	<b>57 839</b>	<b>358 492</b>
<b>Western Europe</b>	<b>119 552</b>	<b>98 474</b>	<b>8 564</b>	<b>226 590</b>	<b>167 714</b>	<b>58 876</b>	<b>40 968</b>	<b>267 558</b>
Economic Community	54 963	41 435	4 757	101 155	63 406	37 749	25 847	127 002
Belgium-Luxembourg	2 070	720	200	2 990	2 120	870	538	3 528
Denmark	941	500	356	1 797	1 312	485	406	2 203
France	20 292	9 599	580	30 471	16 574	13 897	10 430	40 901
Germany, Fed. Rep.	16 330	12 363	1 390	30 083	21 772	8 311	3 656	33 739
Greece	570	142	219	931	458	473	2 014	2 945
Ireland	659	513	27	1 199	1 186	13	46	1 245
Italy	2 606	1 534	476	4 616	1 309	3 307	4 506	9 122
Netherlands	510	402	128	1 040	689	351	116	1 156
Portugal	3 820	4 942	60	8 822	4 998	3 824	598	9 420
Spain	4 100	9 000	1 049	14 149	8 710	5 439	3 390	17 539
United Kingdom	3 065	1 720	272	5 057	4 278	779	147	5 204
Scandinavia	45 424	50 119	1 678	97 221	85 019	12 202	8 352	105 573
Finland	17 879	19 502	1 269	38 650	32 699	5 951	3 009	41 659
Norway	4 670	4 722	229	9 621	9 150	471	919	10 540
Sweden	22 875	25 895	180	48 950	43 170	5 780	4 424	53 374
Other Western Europe	19 165	6 920	2 129	28 214	19 289	8 925	6 769	34 983
Eastern Europe	37 062	20 654	16 347	74 063	46 628	27 435	16 871	90 934
<b>USSR</b>	<b>162 900</b>	<b>40 470</b>	<b>88 800</b>	<b>292 170</b>	<b>259 320</b>	<b>32 850</b>	<b>86 800</b>	<b>378 970</b>
<b>Asia</b>	<b>172 009</b>	<b>21 866</b>	<b>63 149</b>	<b>257 025</b>	<b>95 507</b>	<b>161 517</b>	<b>764 312</b>	<b>1 021 337</b>
China, People's Rep.	54 517	6 888	37 503	98 908	62 186	36 722	177 610	276 518
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 476	24 034	2 761	21 273	230 229	254 263
Japan	19 015	11 785	935	31 735	20 569	11 166	587	32 322
Korea, Rep. of (South)	1 066	326	1 062	2 454	1 844	610	4 395	6 849
Middle East - Asia	4 175	428	5 718	10 321	4 660	5 661	13 814	24 135
Southeast Asia	66 228	1 131	8 083	75 442	610	74 832	203 499	278 941
<b>Oceania</b>	<b>16 252</b>	<b>11 795</b>	<b>1 763</b>	<b>29 810</b>	<b>15 238</b>	<b>14 572</b>	<b>8 804</b>	<b>38 614</b>
Australia	8 163	7 859	1 116	17 138	6 154	10 984	2 880	20 018
New Zealand	4 937	3 718	636	9 291	8 978	313	50	9 341
<b>World</b>	<b>1 002 620</b>	<b>405 366</b>	<b>225 104</b>	<b>1 633 090</b>	<b>1 133 953</b>	<b>499 137</b>	<b>1 719 357</b>	<b>3 352 447</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



## IX - 3A. WORLD PRODUCTION OF LUMBER, 1986

Trade area <sup>a</sup>	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
	1 000 m <sup>3</sup>				
<b>Total North America</b>	<b>136 114</b>	<b>17 308</b>	<b>153 422</b>	<b>210</b>	<b>153 632</b>
Canada	54 163	894	55 057	--	55 057
United States	81 951	16 414	98 365	210	98 575
<b>Central America</b>	<b>2 389</b>	<b>898</b>	<b>3 286</b>	<b>255</b>	<b>3 541</b>
Mexico	1 757	180	1 937	206	2 143
<b>South America</b>	<b>10 591</b>	<b>14 572</b>	<b>25 163</b>	<b>160</b>	<b>25 323</b>
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 034	250	2 284	3	2 287
Venezuela	-	336	336	--	336
<b>Africa</b>	<b>2 015</b>	<b>5 869</b>	<b>7 884</b>	<b>330</b>	<b>8 214</b>
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
<b>Europe</b>	<b>66 331</b>	<b>16 821</b>	<b>83 152</b>	<b>1 227</b>	<b>84 379</b>
Western Europe	51 214	10 757	61 971	650	62 621
Economic Community	21 056	7 759	28 815	499	29 314
Belgium-Luxembourg	575	235	810	15	825
Denmark	450	400	850	29	879
France	5 740	2 865	8 605	188	8 793
Germany, Fed. Rep.	8 104	1 608	9 712	98	9 810
Greece	290	164	454	--	454
Ireland	294	6	300	--	300
Italy	854	1 001	1 855	64	1 919
Netherlands	175	250	425	--	425
Portugal	1 164	275	1 439	60	1 499
Spain	1 960	600	2 560	43	2 603
United Kingdom	1 450	355	1 805	2	1 807
Scandinavia	20 680	303	20 983	61	21 044
Finland	7 035	75	7 110	33	7 143
Norway	2 250	8	2 258	2	2 260
Sweden	11 395	220	11 615	26	11 641
Other Western Europe	9 478	2 695	12 173	90	12 263
Eastern Europe	15 117	6 064	21 181	577	21 758
<b>USSR</b>	<b>88 500</b>	<b>12 500</b>	<b>101 000</b>	<b>--</b>	<b>101 000</b>
<b>Asia</b>	<b>51 855</b>	<b>47 040</b>	<b>98 895</b>	<b>737</b>	<b>99 632</b>
China, People's Rep.	17 117	9 208	26 325	66	26 391
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	25 246	3 792	29 038	67	29 105
Korea, Rep. of (South)	2 517	980	3 497	66	3 563
Middle East - Asia	3 411	1 663	5 074	121	5 195
Southeast Asia	58	15 058	15 116	130	15 246
<b>Oceania</b>	<b>3 653</b>	<b>1 998</b>	<b>5 651</b>	<b>236</b>	<b>5 887</b>
Australia	1 226	1 772	2 998	222	3 220
New Zealand	2 369	29	2 398	14	2 412
<b>World</b>	<b>361 447</b>	<b>117 006</b>	<b>478 452</b>	<b>3 155</b>	<b>481 607</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



Trade area <sup>a</sup>	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
	1 000 m <sup>3</sup>				
<b>Total North America</b>	<b>149 331</b>	<b>18 580</b>	<b>167 911</b>	<b>210</b>	<b>168 121</b>
Canada	61 011	950	61 961	--	61 961
United States	88 320	17 630	105 950	210	106 160
<b>Central America</b>	<b>2 531</b>	<b>844</b>	<b>3 374</b>	<b>398</b>	<b>3 772</b>
Mexico	1 892	169	2 061	349	2 410
<b>South America</b>	<b>10 866</b>	<b>14 788</b>	<b>25 654</b>	<b>160</b>	<b>25 814</b>
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 309	368	2 677	3	2 680
Venezuela	-	336	336	--	336
<b>Africa</b>	<b>2 078</b>	<b>6 084</b>	<b>8 162</b>	<b>330</b>	<b>8 492</b>
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
<b>Europe</b>	<b>66 599</b>	<b>16 702</b>	<b>83 301</b>	<b>1 188</b>	<b>84 489</b>
Western Europe	51 835	10 717	62 552	623	63 175
Economic Community	21 240	7 840	29 080	487	29 567
Belgium-Luxembourg	625	235	860	15	875
Denmark	450	400	850	29	879
France	5 933	2 912	8 845	188	9 033
Germany, Fed. Rep.	8 111	1 571	9 682	72	9 754
Greece	201	227	428	--	428
Ireland	294	6	300	--	300
Italy	729	1 098	1 827	78	1 905
Netherlands	157	220	377	--	377
Portugal	1 200	300	1 500	60	1 560
Spain	1 980	610	2 590	43	2 633
United Kingdom	1 560	261	1 821	2	1 823
Scandinavia	21 088	298	21 386	61	21 447
Finland	7 460	70	7 530	33	7 563
Norway	2 350	8	2 358	2	2 360
Sweden	11 278	220	11 498	26	11 524
Other Western Europe	9 507	2 579	12 086	75	12 161
Eastern Europe	14 764	5 985	20 749	565	21 314
<b>USSR</b>	<b>89 400</b>	<b>12 600</b>	<b>102 000</b>	<b>--</b>	<b>102 000</b>
<b>Asia</b>	<b>53 127</b>	<b>50 158</b>	<b>103 285</b>	<b>719</b>	<b>104 004</b>
China, People's Rep.	17 086	9 192	26 278	66	26 344
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	26 180	3 932	30 112	47	30 159
Korea, Rep. of (South)	2 886	1 193	4 079	66	4 145
Middle East - Asia	3 411	1 663	5 074	121	5 195
Southeast Asia	58	17 839	17 897	132	18 029
<b>Oceania</b>	<b>3 341</b>	<b>1 998</b>	<b>5 339</b>	<b>173</b>	<b>5 512</b>
Australia	1 229	1 776	3 005	159	3 164
New Zealand	2 054	25	2 079	14	2 093
<b>World</b>	<b>377 272</b>	<b>121 754</b>	<b>499 026</b>	<b>3 177</b>	<b>502 203</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 4A. WORLD PRODUCTION OF PANEL PRODUCTS, 1986

Trade area <sup>a</sup>	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
1 000 m <sup>3</sup>						
<b>Total North America</b>	<b>22 361</b>	<b>11 581</b>	<b>750</b>	<b>1 987</b>	<b>4 155</b>	<b>40 834</b>
Canada	1 877	2 487	750	137	675	5 926
United States	20 484	9 094	-	1 850	3 480	34 908
<b>Central America</b>	<b>335</b>	<b>513</b>	<b>9</b>	<b>127</b>	<b>-</b>	<b>984</b>
Mexico	272	403	2	79	-	756
<b>South America</b>	<b>1 170</b>	<b>1 352</b>	<b>369</b>	<b>685</b>	<b>242</b>	<b>3 818</b>
Brazil	902	660	234	550	200	2 546
Chile	25	149	13	41	-	228
Venezuela	40	98	-	-	18	156
<b>Africa</b>	<b>625</b>	<b>539</b>	<b>571</b>	<b>131</b>	<b>33</b>	<b>1 900</b>
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
<b>Europe</b>	<b>3 220</b>	<b>23 759</b>	<b>1 558</b>	<b>3 103</b>	<b>1 117</b>	<b>32 757</b>
<b>Western Europe</b>	<b>2 473</b>	<b>19 053</b>	<b>1 244</b>	<b>1 747</b>	<b>648</b>	<b>25 165</b>
Economic Community	1 612	14 707	908	1 044	249	18 520
Belgium-Luxembourg	58	1 950	42	-	19	2 069
Denmark	30	310	6	--	-	346
France	490	1 790	58	147	52	2 537
Germany, Fed. Rep.	342	5 850	391	199	50	6 832
Greece	95	280	20	18	-	413
Ireland	-	66	-	-	-	66
Italy	375	1 400	297	250	-	2 322
Netherlands	16	40	17	-	22	95
Portugal	20	671	10	70	1	772
Spain	170	1 370	45	280	80	1 945
United Kingdom	16	980	22	80	25	1 123
Scandinavia	681	1 841	40	405	352	3 319
Finland	597	581	27	76	61	1 342
Norway	12	451	-	63	155	681
Sweden	72	809	13	266	136	1 296
Other Western Europe	180	2 505	296	298	47	3 326
Eastern Europe	747	4 706	314	1 356	469	7 592
<b>USSR</b>	<b>2 300</b>	<b>7 200</b>	<b>445</b>	<b>1 907</b>	<b>1 683</b>	<b>13 535</b>
<b>Asia</b>	<b>17 566</b>	<b>2 116</b>	<b>1 042</b>	<b>1 746</b>	<b>413</b>	<b>22 882</b>
China, People's Rep.	1 511	253	7	1 064	-	2 835
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	6 824	900	300	400	400	8 824
Korea, Rep. of (South)	1 111	58	-	14	-	1 183
Middle East - Asia	196	757	22	96	10	1 081
Southeast Asia	7 475	53	708	116	-	8 352
<b>Oceania</b>	<b>171</b>	<b>868</b>	<b>48</b>	<b>224</b>	<b>48</b>	<b>1 359</b>
Australia	98	688	29	97	11	923
New Zealand	59	180	4	127	37	407
<b>World</b>	<b>47 749</b>	<b>47 927</b>	<b>4 792</b>	<b>9 910</b>	<b>7 691</b>	<b>118 069</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

Trade area <sup>a</sup>	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
				1 000 m <sup>3</sup>		
<b>Total North America</b>	<b>21 656</b>	<b>12 350</b>	<b>750</b>	<b>1 712</b>	<b>4 299</b>	<b>40 767</b>
Canada	2 221	2 969	750	137	699	6 776
United States	19 435	9 381	-	1 575	3 600	33 991
<b>Central America</b>	<b>352</b>	<b>535</b>	<b>9</b>	<b>139</b>	<b>-</b>	<b>1 036</b>
Mexico	286	423	2	91	-	802
<b>South America</b>	<b>1 187</b>	<b>1 375</b>	<b>376</b>	<b>689</b>	<b>242</b>	<b>3 868</b>
Brazil	902	660	234	550	200	2 546
Chile	37	172	9	45	-	263
Venezuela	40	98	-	-	18	156
<b>Africa</b>	<b>624</b>	<b>546</b>	<b>573</b>	<b>131</b>	<b>33</b>	<b>1 907</b>
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
<b>Europe</b>	<b>3 168</b>	<b>24 445</b>	<b>1 848</b>	<b>3 105</b>	<b>1 166</b>	<b>33 732</b>
Western Europe	2 472	19 921	1 528	1 807	716	26 444
Economic Community	1 600	15 475	1 203	1 080	256	19 614
Belgium-Luxembourg	60	2 025	40	-	19	2 144
Denmark	30	310	11	--	-	351
France	490	1 838	58	169	61	2 616
Germany, Fed. Rep.	350	5 987	400	203	50	6 990
Greece	70	270	20	18	-	378
Ireland	-	66	-	-	-	66
Italy	390	1 700	580	250	-	2 920
Netherlands	15	40	17	-	22	94
Portugal	18	751	10	69	1	849
Spain	160	1 390	45	280	80	1 955
United Kingdom	17	1 098	22	91	23	1 251
Scandinavia	692	1 879	40	427	412	3 450
Finland	606	610	27	92	68	1 403
Norway	13	425	-	76	187	701
Sweden	73	844	13	259	157	1 346
Other Western Europe	180	2 567	285	300	48	3 380
Eastern Europe	696	4 524	320	1 298	450	7 288
<b>USSR</b>	<b>2 300</b>	<b>7 600</b>	<b>445</b>	<b>1 907</b>	<b>1 683</b>	<b>13 935</b>
<b>Asia</b>	<b>19 522</b>	<b>2 233</b>	<b>1 085</b>	<b>1 980</b>	<b>463</b>	<b>25 282</b>
China, People's Rep.	1 583	267	7	1 348	-	3 205
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	7 372	1 002	300	341	450	9 465
Korea, Rep. of (South)	1 179	58	-	21	-	1 258
Middle East - Asia	196	758	22	96	10	1 082
Southeast Asia	8 743	53	751	118	-	9 665
<b>Oceania</b>	<b>180</b>	<b>887</b>	<b>48</b>	<b>287</b>	<b>66</b>	<b>1 468</b>
Australia	104	712	29	97	11	953
New Zealand	62	175	4	190	55	486
<b>World</b>	<b>48 989</b>	<b>49 970</b>	<b>5 134</b>	<b>9 950</b>	<b>7 952</b>	<b>121 995</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 5A. WORLD PRODUCTION OF WOOD PULP, 1986

Trade area <sup>a</sup>	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
	1 000 t				
<b>Total North America</b>	<b>53 906</b>	<b>4 071</b>	<b>14 099</b>	<b>1 363</b>	<b>73 439</b>
Canada	11 899	322	9 069	222	21 512
United States	42 007	3 749	5 030	1 141	51 927
<b>Central America</b>	<b>429</b>	<b>-</b>	<b>120</b>	<b>4</b>	<b>553</b>
Mexico	429	-	117	4	550
<b>South America</b>	<b>4 593</b>	<b>313</b>	<b>512</b>	<b>62</b>	<b>5 480</b>
Brazil	3 323	125	329	62	3 839
Chile	692	-	154	-	846
Venezuela	-	-	7	-	7
<b>Africa</b>	<b>651</b>	<b>168</b>	<b>276</b>	<b>581</b>	<b>1 676</b>
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
<b>Europe</b>	<b>20 943</b>	<b>1 657</b>	<b>10 502</b>	<b>1 012</b>	<b>34 144</b>
Western Europe	18 335	1 410	9 972	687	30 404
Economic Community	4 860	565	2 943	225	8 593
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	65	-	-	65
France	1 444	140	430	8	2 022
Germany, Fed. Rep.	600	79	1 403	137	2 219
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	55	70	436	30	591
Netherlands	-	-	133	-	133
Portugal	1 375	-	-	-	1 375
Spain	1 203	24	190	50	1 467
United Kingdom	-	187	212	-	399
Scandinavia	11 816	680	6 535	247	19 728
Finland	4 601	335	2 891	102	7 929
Norway	601	77	1 146	130	1 954
Sweden	6 614	268	2 498	15	9 395
Other Western Europe	1 659	165	494	215	2 533
Eastern Europe	2 608	247	530	325	3 710
<b>USSR</b>	<b>7 059</b>	<b>387</b>	<b>2 033</b>	<b>895</b>	<b>10 374</b>
<b>Asia</b>	<b>9 349</b>	<b>581</b>	<b>2 593</b>	<b>381</b>	<b>12 904</b>
China, People's Rep.	1 256	-	402	-	1 658
Hong Kong	-	-	-	-	-
India	490	77	150	200	917
Japan	6 963	453	1 662	172	9 250
Korea, Rep. of (South)	144	-	143	-	287
Middle East - Asia	211	3	152	9	375
Southeast Asia	199	48	52	-	299
<b>Oceania</b>	<b>838</b>	<b>240</b>	<b>942</b>	<b>-</b>	<b>2 020</b>
Australia	326	220	364	-	910
New Zealand	512	20	578	-	1 110
<b>World</b>	<b>97 768</b>	<b>7 417</b>	<b>31 076</b>	<b>4 298</b>	<b>140 559</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.3% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 5B. WORLD PRODUCTION OF WOOD PULP, 1987

Trade area <sup>a</sup>	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
<b>Total North America</b>	<b>56 391</b>	<b>4 193</b>	<b>14 687</b>	<b>1 432</b>	<b>76 703</b>
Canada	12 559	341	9 503	242	22 645
United States	43 832	3 852	5 184	1 190	54 058
<b>Central America</b>	<b>446</b>	<b>-</b>	<b>110</b>	<b>4</b>	<b>559</b>
Mexico	446	-	107	4	557
<b>South America</b>	<b>4 652</b>	<b>311</b>	<b>514</b>	<b>75</b>	<b>5 552</b>
Brazil	3 359	124	332	75	3 890
Chile	708	-	153	-	861
Venezuela	-	-	8	-	8
<b>Africa</b>	<b>651</b>	<b>159</b>	<b>276</b>	<b>581</b>	<b>1 667</b>
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
<b>Europe</b>	<b>21 620</b>	<b>1 683</b>	<b>10 985</b>	<b>1 030</b>	<b>35 318</b>
Western Europe	19 046	1 440	10 448	711	31 645
Economic Community	4 928	565	3 034	231	8 758
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	70	-	-	70
France	1 357	137	463	6	1 963
Germany, Fed. Rep.	606	79	1 433	142	2 260
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	95	68	449	30	642
Netherlands	-	-	133	-	133
Portugal	1 408	-	-	-	1 408
Spain	1 279	24	205	53	1 561
United Kingdom	-	187	212	-	399
Scandinavia	12 510	720	6 892	282	20 404
Finland	4 917	360	3 062	128	8 467
Norway	644	83	1 083	139	1 949
Sweden	6 949	277	2 747	15	9 988
Other Western Europe	1 608	155	522	198	2 483
Eastern Europe	2 574	243	537	319	3 673
<b>USSR</b>	<b>7 059</b>	<b>387</b>	<b>2 033</b>	<b>895</b>	<b>10 374</b>
<b>Asia</b>	<b>9 886</b>	<b>564</b>	<b>2 631</b>	<b>434</b>	<b>13 515</b>
China, People's Rep.	1 325	-	384	-	1 709
Hong Kong	-	-	-	-	-
India	510	80	160	250	1 000
Japan	7 422	446	1 683	175	9 726
Korea, Rep. of (South)	149	-	168	-	317
Middle East - Asia	211	3	152	9	375
Southeast Asia	183	35	52	-	270
<b>Oceania</b>	<b>860</b>	<b>200</b>	<b>984</b>	<b>-</b>	<b>2 044</b>
Australia	349	180	407	-	936
New Zealand	511	20	577	-	1 108
<b>World</b>	<b>101 565</b>	<b>7 497</b>	<b>32 220</b>	<b>4 451</b>	<b>145 732</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.5% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 6A. WORLD PRODUCTION OF PAPER AND PAPERBOARD, 1986

Trade area <sup>a</sup>	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
1 000 t						
<b>Total North America</b>	<b>14 397</b>	<b>20 027</b>	<b>37 471</b>	<b>5 055</b>	<b>2 753</b>	<b>79 703</b>
Canada	9 289	2 399	3 140	431	--	15 259
United States	5 108	17 628	34 331	4 624	2 753	64 444
<b>Central America</b>	<b>367</b>	<b>528</b>	<b>1 367</b>	<b>371</b>	<b>90</b>	<b>2 723</b>
Mexico	367	452	1 283	317	50	2 469
<b>South America</b>	<b>608</b>	<b>1 879</b>	<b>3 315</b>	<b>623</b>	<b>719</b>	<b>7 144</b>
Brazil	213	1 351	2 018	286	617	4 485
Chile	169	67	112	36	4	388
Venezuela	-	106	345	149	12	612
<b>Africa</b>	<b>487</b>	<b>499</b>	<b>1 228</b>	<b>109</b>	<b>126</b>	<b>2 449</b>
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	61	85	-	24	170
<b>Europe</b>	<b>7 255</b>	<b>18 809</b>	<b>22 982</b>	<b>3 069</b>	<b>5 412</b>	<b>57 527</b>
Western Europe	6 925	17 826	21 069	2 819	3 202	51 841
Economic Community	2 186	11 233	13 338	2 136	1 898	30 791
Belgium-Luxembourg	100	414	189	85	46	834
Denmark	-	133	113	12	35	293
France	303	2 133	2 750	233	164	5 583
Germany, Fed. Rep.	761	3 888	3 504	649	607	9 409
Greece	11	62	85	85	40	283
Ireland	-	-	40	-	--	40
Italy	212	1 975	1 879	241	324	4 631
Netherlands	185	600	1 094	157	5	2 041
Portugal	-	113	357	49	65	584
Spain	138	781	1 670	201	362	3 152
United Kingdom	476	1 134	1 657	424	250	3 941
Scandinavia	4 227	5 142	6 011	458	641	16 479
Finland	1 646	3 366	2 043	156	338	7 549
Norway	855	295	354	25	44	1 573
Sweden	1 726	1 481	3 614	277	259	7 357
Other Western Europe	512	1 451	1 720	225	663	4 571
Eastern Europe	330	983	1 913	250	2 210	5 686
<b>USSR</b>	<b>1 621</b>	<b>1 310</b>	<b>-</b>	<b>-</b>	<b>7 156</b>	<b>10 087</b>
<b>Asia</b>	<b>4 019</b>	<b>10 235</b>	<b>12 627</b>	<b>1 831</b>	<b>11 285</b>	<b>39 997</b>
China, People's Rep.	553	3 116	-	-	8 205	11 874
Hong Kong	-	-	38	2	--	40
India	250	850	406	12	282	1 800
Japan	2 641	4 949	9 871	1 613	1 988	21 062
Korea, Rep. of (South)	273	614	1 549	106	231	2 773
Middle East - Asia	151	191	259	31	121	753
Southeast Asia	95	384	396	67	367	1 309
<b>Oceania</b>	<b>575</b>	<b>301</b>	<b>656</b>	<b>172</b>	<b>563</b>	<b>2 267</b>
Australia	363	255	338	126	514	1 596
New Zealand	212	46	318	46	49	671
<b>World</b>	<b>29 330</b>	<b>53 588</b>	<b>79 645</b>	<b>11 230</b>	<b>28 104</b>	<b>201 897</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.7% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



## IX - 6B. WORLD PRODUCTION OF PAPER AND PAPERBOARD, 1987

Trade area <sup>a</sup>	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
1 000 t						
<b>Total North America</b>	<b>14 973</b>	<b>21 256</b>	<b>39 322</b>	<b>5 257</b>	<b>2 781</b>	<b>83 589</b>
Canada	9 673	2 660	3 275	449	--	16 057
United States	5 300	18 598	36 047	4 808	2 781	67 532
<b>Central America</b>	<b>351</b>	<b>534</b>	<b>1 460</b>	<b>393</b>	<b>87</b>	<b>2 825</b>
Mexico	351	467	1 367	339	49	2 573
<b>South America</b>	<b>638</b>	<b>1 865</b>	<b>3 633</b>	<b>683</b>	<b>776</b>	<b>7 594</b>
Brazil	232	1 307	2 169	307	663	4 678
Chile	180	64	143	48	7	442
Venezuela	-	117	388	157	12	674
<b>Africa</b>	<b>484</b>	<b>513</b>	<b>1 250</b>	<b>109</b>	<b>132</b>	<b>2 488</b>
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
<b>Europe</b>	<b>7 654</b>	<b>19 864</b>	<b>23 912</b>	<b>3 205</b>	<b>5 783</b>	<b>60 418</b>
Western Europe	7 306	18 848	21 970	2 953	3 578	54 653
Economic Community	2 329	11 718	13 811	2 258	2 224	32 340
Belgium-Luxembourg	112	414	189	85	46	846
Denmark	-	130	113	15	35	293
France	299	2 204	2 711	276	342	5 832
Germany, Fed. Rep.	826	4 099	3 613	731	669	9 938
Greece	8	62	85	85	40	280
Ireland	-	-	40	-	--	40
Italy	242	2 025	2 086	232	297	4 882
Netherlands	212	603	1 141	158	54	2 168
Portugal	-	168	388	45	26	627
Spain	135	826	1 712	196	382	3 251
United Kingdom	495	1 187	1 733	435	333	4 183
Scandinavia	4 448	5 494	6 343	466	661	17 412
Finland	1 628	3 689	2 177	162	355	8 011
Norway	845	298	374	27	46	1 590
Sweden	1 975	1 507	3 792	277	260	7 811
Other Western Europe	529	1 636	1 816	229	691	4 901
Eastern Europe	348	1 016	1 942	252	2 207	5 765
<b>USSR</b>	<b>1 700</b>	<b>1 310</b>	<b>-</b>	<b>-</b>	<b>7 156</b>	<b>10 166</b>
<b>Asia</b>	<b>4 303</b>	<b>11 973</b>	<b>12 847</b>	<b>1 458</b>	<b>12 895</b>	<b>43 476</b>
China, People's Rep.	633	3 406	-	-	8 957	12 996
Hong Kong	-	-	38	2	--	40
India	276	860	435	13	302	1 886
Japan	2 668	6 255	9 722	1 226	2 666	22 537
Korea, Rep. of (South)	302	689	1 780	121	271	3 163
Middle East - Asia	157	194	260	35	119	765
Southeast Asia	209	433	486	61	489	1 678
<b>Oceania</b>	<b>568</b>	<b>390</b>	<b>620</b>	<b>168</b>	<b>536</b>	<b>2 282</b>
Australia	361	346	322	125	484	1 638
New Zealand	207	44	298	43	52	644
<b>World</b>	<b>30 672</b>	<b>57 705</b>	<b>83 043</b>	<b>11 273</b>	<b>30 144</b>	<b>212 837</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.5% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 7A. WORLD EXPORTS OF FOREST PRODUCTS, 1986

Trade area <sup>a</sup>	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
<b>Total North America</b>	<b>1 688</b>	<b>4 145</b>	<b>4 571</b>	<b>658</b>	<b>4 582</b>	<b>4 273</b>	<b>6 928</b>	<b>18 426</b>
Canada	268	3 505	3 584	328	2 932	4 079	5 029	12 140
United States	1 420	640	987	330	1 650	195	1 899	6 286
<b>Central America</b>	<b>1</b>	<b>32</b>	<b>34</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>22</b>	<b>74</b>
Mexico	--	1	1	10	-	-	3	14
<b>South America</b>	<b>52</b>	<b>86</b>	<b>276</b>	<b>176</b>	<b>641</b>	<b>59</b>	<b>434</b>	<b>1 478</b>
Brazil	1	23	120	146	323	6	347	936
Chile	46	64	70	9	192	52	60	377
Venezuela	-	-	-	-	-	-	-	-
<b>Africa</b>	<b>437</b>	<b>12</b>	<b>170</b>	<b>105</b>	<b>229</b>	<b>93</b>	<b>194</b>	<b>1 136</b>
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	3	14	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
<b>Europe</b>	<b>1 242</b>	<b>3 227</b>	<b>3 964</b>	<b>2 327</b>	<b>3 169</b>	<b>1 943</b>	<b>16 246</b>	<b>26 949</b>
Western Europe	1 025	2 934	3 588	2 229	3 098	1 918	15 847	25 784
Economic Community	710	402	884	1 412	821	242	7 041	10 868
Belgium-Luxembourg	77	24	74	304	67	17	305	826
Denmark	29	13	32	39	16	1	113	229
France	282	21	189	171	155	9	1 095	1 893
Germany, Fed. Rep.	222	165	280	470	74	122	2 541	3 587
Greece	--	--	1	17	-	--	14	31
Ireland	5	8	12	3	-	--	9	30
Italy	2	16	33	170	25	7	687	918
Netherlands	24	21	113	55	2	49	1 106	1 299
Portugal	24	117	122	69	341	-	116	674
Spain	22	14	16	71	140	2	257	506
United Kingdom	21	4	12	43	2	35	799	877
Scandinavia	189	2 036	2 046	483	2 055	1 658	7 435	12 209
Finland	111	727	730	342	617	652	3 692	5 491
Norway	26	40	40	23	227	295	603	921
Sweden	52	1 269	1 275	118	1 211	711	3 140	5 797
Other Western Europe	126	496	656	334	221	18	1 370	2 707
Eastern Europe	217	293	378	98	72	25	399	1 164
<b>USSR</b>	<b>838</b>	<b>1 001</b>	<b>1 027</b>	<b>199</b>	<b>474</b>	<b>151</b>	<b>430</b>	<b>2 967</b>
<b>Asia</b>	<b>1 317</b>	<b>78</b>	<b>1 514</b>	<b>1 931</b>	<b>41</b>	<b>41</b>	<b>1 472</b>	<b>6 275</b>
China, People's Rep.	7	16	38	244	23	-	217	529
Hong Kong	--	-	17	3	-	-	57	78
India	1	-	1	32	-	-	1	36
Japan	8	1	19	67	15	19	854	963
Korea, Rep. of (South)	-	27	29	51	-	13	147	226
Middle East - Asia	8	11	13	17	-	-	38	75
Southeast Asia	1 177	24	1 350	1 517	3	1	150	4 197
<b>Oceania</b>	<b>295</b>	<b>60</b>	<b>73</b>	<b>26</b>	<b>114</b>	<b>53</b>	<b>133</b>	<b>642</b>
Australia	161	--	9	3	-	1	33	207
New Zealand	39	57	58	19	114	52	100	331
<b>World</b>	<b>5 870</b>	<b>8 642</b>	<b>11 630</b>	<b>5 438</b>	<b>9 151</b>	<b>6 614</b>	<b>25 859</b>	<b>57 947</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 21.0% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 7B. WORLD EXPORTS OF FOREST PRODUCTS, 1987

Trade area <sup>a</sup>	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
<b>Total North America</b>	<b>2 193</b>	<b>5 195</b>	<b>5 798</b>	<b>805</b>	<b>6 437</b>	<b>4 757</b>	<b>8 033</b>	<b>23 265</b>
Canada	342	4 344	4 449	363	4 128	4 547	5 814	15 095
United States	1 851	851	1 349	442	2 309	210	2 219	8 170
<b>Central America</b>	<b>1</b>	<b>32</b>	<b>34</b>	<b>14</b>	<b>-</b>	<b>-</b>	<b>21</b>	<b>71</b>
Mexico	--	1	1	10	-	-	3	14
<b>South America</b>	<b>90</b>	<b>135</b>	<b>425</b>	<b>210</b>	<b>586</b>	<b>71</b>	<b>413</b>	<b>1 724</b>
Brazil	1	28	189	163	298	8	313	963
Chile	82	107	114	11	263	61	74	543
Venezuela	-	-	-	-	-	-	-	-
<b>Africa</b>	<b>416</b>	<b>12</b>	<b>212</b>	<b>115</b>	<b>232</b>	<b>55</b>	<b>161</b>	<b>1 136</b>
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	3	14	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
<b>Europe</b>	<b>1 504</b>	<b>3 580</b>	<b>4 533</b>	<b>2 947</b>	<b>4 287</b>	<b>2 474</b>	<b>21 584</b>	<b>34 856</b>
Western Europe	1 281	3 254	4 092	2 799	4 214	2 443	21 138	33 524
Economic Community	854	499	1 078	1 771	1 144	347	9 488	14 332
Belgium-Luxembourg	100	34	93	391	101	25	633	1 318
Denmark	33	15	37	51	16	1	135	271
France	324	28	237	258	227	16	1 716	2 762
Germany, Fed. Rep.	260	208	341	575	9	174	3 181	4 455
Greece	1	-	1	17	-	2	18	37
Ireland	5	8	12	3	-	--	9	30
Italy	2	18	37	205	22	15	833	1 098
Netherlands	33	28	145	69	1	63	1 432	1 680
Portugal	35	138	142	92	540	-	132	940
Spain	33	17	19	60	140	2	257	509
United Kingdom	27	5	13	52	1	48	1 140	1 233
Scandinavia	241	2 147	2 159	603	2 802	2 075	9 687	15 493
Finland	127	936	941	438	879	745	4 689	7 074
Norway	39	46	47	28	304	357	714	1 131
Sweden	76	1 164	1 171	137	1 619	973	4 284	7 288
Other Western Europe	186	608	855	424	268	21	1 965	3 698
Eastern Europe	223	326	441	148	73	31	447	1 332
<b>USSR</b>	<b>858</b>	<b>978</b>	<b>1 004</b>	<b>225</b>	<b>468</b>	<b>154</b>	<b>453</b>	<b>3 007</b>
<b>Asia</b>	<b>1 843</b>	<b>108</b>	<b>1 912</b>	<b>2 768</b>	<b>44</b>	<b>54</b>	<b>1 633</b>	<b>8 200</b>
China, People's Rep.	5	30	56	283	33	1	272	648
Hong Kong	--	-	17	3	-	-	57	78
India	1	-	1	13	-	-	1	16
Japan	4	1	14	48	8	24	791	864
Korea, Rep. of (South)	-	46	48	56	-	20	261	365
Middle East - Asia	6	10	11	16	-	-	38	71
Southeast Asia	1 711	22	1 719	2 348	3	1	204	5 985
<b>Oceania</b>	<b>428</b>	<b>57</b>	<b>65</b>	<b>45</b>	<b>150</b>	<b>54</b>	<b>163</b>	<b>851</b>
Australia	244	--	5	5	-	1	55	309
New Zealand	51	54	55	37	150	53	108	400
<b>World</b>	<b>7 332</b>	<b>10 096</b>	<b>13 982</b>	<b>7 129</b>	<b>12 204</b>	<b>7 619</b>	<b>32 462</b>	<b>73 109</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 20.6% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 8A. WORLD IMPORTS OF FOREST PRODUCTS, 1986

Trade area <sup>a</sup>	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
Total North America	225	2 943	3 277	987	1 671	3 682	6 092	12 252
Canada	166	103	280	135	90	-	471	1 141
United States	60	2 841	2 997	852	1 581	3 682	5 621	11 111
Central America	15	208	257	71	150	73	605	1 097
Mexico	3	40	46	9	127	13	135	319
South America	10	30	74	24	168	278	648	924
Brazil	7	-	17	79	18	92	178	228
Chile	-	-	-	-	-	-	34	34
Venezuela	2	3	8	12	75	79	124	221
Africa	118	655	796	252	79	80	902	2 148
Algeria	31	102	106	48	32	6	72	289
Morocco	24	42	56	6	9	5	39	134
Middle East - Africa	43	458	488	154	4	21	256	946
Europe	2 452	4 388	6 121	3 187	5 340	2 030	14 940	32 039
Western Europe	2 347	3 988	5 708	3 073	5 058	1 967	14 535	30 179
Economic Community	1 453	3 583	5 152	2 624	4 531	1 922	13 008	26 767
Belgium-Luxembourg	129	131	206	159	203	81	807	1 503
Denmark	30	285	324	179	49	104	604	1 187
France	229	288	444	258	774	197	1 945	3 650
Germany, Fed. Rep.	292	611	888	597	1 404	502	3 232	6 414
Greece	56	76	91	16	72	29	144	379
Ireland	2	37	53	34	7	26	172	268
Italy	432	580	891	195	793	147	1 007	3 318
Netherlands	61	333	598	369	273	174	1 409	2 711
Portugal	79	1	7	3	18	21	89	196
Spain	107	107	219	23	189	66	396	934
United Kingdom	35	1 133	1 431	791	749	574	3 202	6 208
Scandinavia	583	166	236	213	144	--	566	1 741
Finland	161	--	13	14	34	-	104	326
Norway	106	153	174	80	45	-	194	599
Sweden	317	13	48	119	66	--	267	817
Other Western Europe	311	239	321	236	381	45	961	2 210
Eastern Europe	105	400	412	114	284	63	405	1 320
USSR	25	15	66	44	119	3	435	688
Asia	5 369	1 146	1 927	885	1 948	796	4 008	14 137
China, People's Rep.	879	2	207	152	299	70	1 120	2 657
Hong Kong	51	1	30	122	4	57	496	702
India	30	--	1	1	39	89	154	225
Japan	3 705	872	1 118	181	1 057	296	672	6 733
Korea, Rep. of (South)	495	2	58	-	266	-	111	928
Middle East - Asia	125	267	369	302	80	95	575	1 451
Southeast Asia	68	1	140	90	181	158	711	1 190
Oceania	2	179	245	58	74	128	581	959
Australia	--	160	219	42	69	102	465	795
New Zealand	1	9	15	4	5	21	97	122
World	8 215	9 564	12 763	5 507	9 548	7 069	28 211	64 245

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.8% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

## IX - 8B. WORLD IMPORTS OF FOREST PRODUCTS, 1987

Trade area <sup>a</sup>	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
Total North America	239	3 160	3 653	1 256	2 138	4 116	7 016	14 302
Canada	155	105	344	157	108	-	550	1 311
United States	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
Central America	17	187	232	85	155	71	609	1 097
Mexico	3	40	46	9	127	13	135	319
South America	7	30	70	23	189	260	670	959
Brazil	5	-	13	7	18	78	190	233
Chile	-	-	-	-	-	-	46	46
Venezuela	2	3	8	12	100	79	124	246
Africa	130	576	718	250	79	100	908	2 084
Algeria	25	86	90	48	32	6	72	267
Morocco	24	42	56	6	9	5	39	134
Middle East - Africa	61	400	432	154	4	39	274	924
Europe	2 914	5 399	7 824	4 022	7 246	2 497	19 108	41 114
Western Europe	2 809	5 037	7 450	3 891	6 890	2 432	18 655	39 695
Economic Community	1 626	4 530	6 741	3 309	6 200	2 374	16 707	34 583
Belgium-Luxembourg	159	190	407	195	289	104	1 189	2 239
Denmark	25	303	337	225	63	139	716	1 367
France	234	364	584	367	1 015	132	2 787	4 987
Germany, Fed. Rep.	343	752	1 120	797	1 855	620	3 986	8 102
Greece	49	102	117	27	80	43	190	452
Ireland	2	37	53	34	7	26	172	268
Italy	501	742	1 228	265	1 118	187	1 406	4 518
Netherlands	71	401	737	431	351	226	1 730	3 321
Portugal	84	1	10	5	21	31	103	223
Spain	111	126	248	47	189	66	396	991
United Kingdom	47	1 512	1 899	916	1 211	800	4 031	8 105
Scandinavia	811	217	303	284	176	-	712	2 286
Finland	206	1	18	21	51	-	142	439
Norway	150	201	224	98	48	-	241	761
Sweden	455	15	60	165	77	-	329	1 086
Other Western Europe	371	290	406	298	514	58	1 237	2 826
Eastern Europe	105	362	375	131	356	65	452	1 419
USSR	26	15	53	38	145	6	397	659
Asia	7 236	1 701	2 953	1 493	2 654	885	4 459	18 795
China, People's Rep.	1 011	5	321	239	441	85	1 295	3 307
Hong Kong	60	1	41	191	4	59	498	794
India	67	--	1	1	39	94	158	267
Japan	5 218	1 426	1 888	598	1 436	337	772	9 913
Korea, Rep. of (South)	640	3	91	-	403	-	177	1 311
Middle East - Asia	150	264	366	293	81	105	607	1 497
Southeast Asia	74	1	236	135	229	174	768	1 441
Oceania	3	162	237	58	130	131	651	1 079
Australia	--	142	206	41	120	95	492	859
New Zealand	3	10	19	6	10	32	140	178
World	10 572	11 229	15 739	7 226	12 736	8 066	33 816	80 090

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.6% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



## IX - 9A. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1986

Trade area <sup>a</sup>	Lumber and railway ties			Panel products	Wood pulp	Paper and paperboard	
	Roundwood	Softwood	Total			News- print	Total
		Lumber					
	1 000 m <sup>3</sup>					1 000 t	
<b>Total North America</b>	<b>644 287</b>	<b>127 535</b>	<b>145 015</b>	<b>42 153</b>	<b>66 178</b>	<b>13 241</b>	<b>76 210</b>
Canada	177 344	17 130	18 421	4 799	14 157	698	5 125
United States	466 943	110 405	126 594	37 354	52 020	12 543	71 086
<b>Central America</b>	<b>58 403</b>	<b>3 414</b>	<b>4 816</b>	<b>1 203</b>	<b>955</b>	<b>511</b>	<b>3 566</b>
Mexico	21 241	2 035	2 447	785	897	393	2 595
<b>South America</b>	<b>312 651</b>	<b>9 991</b>	<b>24 500</b>	<b>3 292</b>	<b>4 399</b>	<b>1 033</b>	<b>7 243</b>
Brazil	237 829	8 304	18 032	2 125	3 001	420	4 074
Chile	14 911	1 201	1 431	173	281	38	270
Venezuela	1 322	31	389	176	227	150	808
<b>Africa</b>	<b>446 184</b>	<b>5 042</b>	<b>11 061</b>	<b>2 103</b>	<b>1 323</b>	<b>356</b>	<b>3 151</b>
Algeria	2 196	608	627	143	70	16	207
Morocco	2 216	415	524	123	44	7	179
Middle East - Africa	66 426	1 918	2 140	358	10	27	483
<b>Europe</b>	<b>368 587</b>	<b>72 794</b>	<b>93 980</b>	<b>36 627</b>	<b>38 624</b>	<b>7 005</b>	<b>54 947</b>
Western Europe	278 889	56 919	71 781	28 815	34 333	6 514	49 047
Economic Community	124 880	40 762	52 846	23 840	16 830	5 396	41 336
Belgium-Luxembourg	5 686	1 310	1 965	1 115	615	222	1 591
Denmark	1 632	2 025	2 509	904	120	204	937
France	35 746	7 309	10 102	3 218	3 438	641	6 916
Germany, Fed. Rep.	29 365	10 897	12 999	7 670	5 160	1 453	11 289
Greece	3 192	667	883	484	195	69	478
Ireland	931	471	524	192	11	53	283
Italy	14 746	4 410	6 542	2 749	2 369	469	5 400
Netherlands	1 367	2 320	3 304	1 298	760	426	2 531
Portugal	9 269	48	358	280	525	43	464
Spain	17 783	2 414	3 634	1 736	1 494	277	3 371
United Kingdom	5 162	8 892	10 026	4 195	2 144	1 540	8 079
Scandinavia	114 699	8 954	9 430	2 467	14 610	563	4 219
Finland	44 581	2 498	2 618	585	6 535	176	1 360
Norway	11 867	2 711	2 754	745	1 484	149	583
Sweden	58 252	3 746	4 061	1 137	6 591	239	2 276
Other Western Europe	39 310	7 204	9 505	2 508	2 893	554	3 492
Eastern Europe	89 699	15 875	22 200	7 812	4 291	492	5 900
<b>USSR</b>	<b>359 344</b>	<b>80 669</b>	<b>93 184</b>	<b>12 589</b>	<b>9 453</b>	<b>1 270</b>	<b>9 513</b>
<b>Asia</b>	<b>1 046 070</b>	<b>57 699</b>	<b>101 985</b>	<b>18 705</b>	<b>17 733</b>	<b>5 435</b>	<b>43 908</b>
China, People's Rep.	284 259	17 113	27 130	2 913	2 461	743	12 842
Hong Kong	818	9	337	315	9	137	786
India	250 587	2 376	17 462	414	984	417	2 029
Japan	74 633	29 864	34 610	9 629	11 761	3 009	21 107
Korea, Rep. of (South)	14 084	2 365	3 686	1 012	1 016	239	2 606
Middle East - Asia	24 986	4 874	7 127	1 946	563	338	1 556
Southeast Asia	251 804	-45	9 180	2 203	768	439	2 307
<b>Oceania</b>	<b>28 902</b>	<b>4 353</b>	<b>6 814</b>	<b>1 390</b>	<b>1 753</b>	<b>736</b>	<b>2 766</b>
Australia	13 412	2 231	4 442	1 024	1 133	616	2 220
New Zealand	8 347	2 007	2 064	330	621	116	523
<b>World</b>	<b>3 264 429</b>	<b>361 495</b>	<b>481 355</b>	<b>118 062</b>	<b>140 418</b>	<b>29 587</b>	<b>201 304</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



## IX - 9B. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1987

Trade area <sup>a</sup>	Lumber and railway ties			Panel products	Wood pulp	Paper and paperboard	
	Roundwood	Softwood	Total			News- print	Total
		lumber					
		1 000 m <sup>3</sup>				1 000 t	
<b>Total North America</b>	<b>694 803</b>	<b>136 572</b>	<b>155 247</b>	<b>42 508</b>	<b>68 670</b>	<b>14 036</b>	<b>80 199</b>
Canada	189 887	20 370	21 793	5 700	14 602	901	5 425
United States	504 916	116 201	133 455	36 808	54 068	13 135	74 774
<b>Central America</b>	<b>59 869</b>	<b>3 429</b>	<b>4 919</b>	<b>1 284</b>	<b>971</b>	<b>490</b>	<b>3 662</b>
Mexico	21 960	2 170	2 714	831	904	377	2 699
<b>South America</b>	<b>315 982</b>	<b>9 985</b>	<b>24 512</b>	<b>3 263</b>	<b>4 635</b>	<b>1 022</b>	<b>7 774</b>
Brazil	241 527	8 317	17 845	2 071	3 118	401	4 336
Chile	13 869	1 182	1 529	206	335	53	344
Venezuela	1 340	31	389	176	303	150	870
<b>Africa</b>	<b>458 076</b>	<b>4 723</b>	<b>10 885</b>	<b>2 106</b>	<b>1 304</b>	<b>482</b>	<b>3 302</b>
Algeria	2 220	508	527	143	70	16	207
Morocco	2 240	415	524	123	44	7	179
Middle East - Africa	68 243	1 672	1 888	357	10	49	521
<b>Europe</b>	<b>377 125</b>	<b>73 730</b>	<b>95 239</b>	<b>37 763</b>	<b>40 407</b>	<b>7 244</b>	<b>57 268</b>
Western Europe	288 464	58 444	73 872	30 332	36 058	6 755	51 303
Economic Community	129 653	42 340	55 231	25 068	17 705	5 627	43 779
Belgium-Luxembourg	5 953	1 560	2 305	1 069	637	240	1 684
Denmark	1 534	1 847	2 211	804	131	230	955
France	37 244	7 644	10 570	3 142	3 391	473	7 456
Germany, Fed. Rep.	32 927	10 886	13 040	7 859	5 309	1 528	11 688
Greece	3 187	674	947	494	185	85	498
Ireland	931	471	524	192	11	53	283
Italy	14 332	4 583	7 099	3 409	2 652	517	5 887
Netherlands	1 350	2 268	3 283	1 310	751	467	2 576
Portugal	9 149	231	595	309	432	54	545
Spain	18 027	2 510	3 792	1 911	1 588	274	3 470
United Kingdom	5 019	9 667	10 865	4 570	2 618	1 705	8 737
Scandinavia	119 046	9 069	9 559	2 736	15 444	557	3 831
Finland	45 968	2 588	2 705	654	6 960	191	1 247
Norway	12 346	2 592	2 643	761	1 422	119	616
Sweden	60 732	3 889	4 211	1 322	7 063	247	1 967
Other Western Europe	39 765	7 035	9 082	2 527	2 909	572	3 694
Eastern Europe	88 661	15 287	21 367	7 431	4 350	489	5 965
<b>USSR</b>	<b>359 487</b>	<b>81 756</b>	<b>94 335</b>	<b>12 828</b>	<b>9 511</b>	<b>1 348</b>	<b>9 469</b>
<b>Asia</b>	<b>1 065 776</b>	<b>60 265</b>	<b>107 728</b>	<b>21 796</b>	<b>18 788</b>	<b>5 804</b>	<b>47 594</b>
China, People's Rep.	289 388	17 091	27 452	3 468	2 744	850	14 136
Hong Kong	916	9	396	483	9	141	790
India	255 055	2 378	17 466	427	1 067	451	2 123
Japan	78 848	32 178	37 543	11 775	12 420	3 052	22 724
Korea, Rep. of (South)	13 344	2 630	4 294	1 082	1 104	263	2 921
Middle East - Asia	25 142	4 850	7 104	1 927	563	360	1 596
Southeast Asia	255 132	-12	11 018	2 363	709	572	2 605
<b>Oceania</b>	<b>28 376</b>	<b>3 910</b>	<b>6 328</b>	<b>1 414</b>	<b>1 839</b>	<b>746</b>	<b>2 792</b>
Australia	12 628	2 060	4 222	1 035	1 197	597	2 203
New Zealand	8 214	1 734	1 795	343	642	147	566
<b>World</b>	<b>3 359 494</b>	<b>374 370</b>	<b>499 191</b>	<b>122 962</b>	<b>146 126</b>	<b>31 172</b>	<b>212 060</b>

<sup>a</sup>See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 10. APPARENT CONSUMPTION OF FOREST PRODUCTS BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties				Paper and paperboard		
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total
	-----	1 000 m <sup>3</sup>	-----		-----	1 000 t	-----
A. Canada							
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 634	14 224	3 945	12 661	959	4 655
1982	128 768	8 980	10 248	3 132	11 031	1 039	4 096
1983	155 292	7 966	9 296	4 373	12 551	1 011	4 437
1984	163 903	12 079	13 775	4 132	13 606	1 065	4 858
1985	170 103	15 442	16 936	4 536	13 446	718	4 831
1986	177 344	17 130	18 421	4 799	14 157	698	5 125
1987	189 887	20 370	21 793	5 700	14 602	901	5 425
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 655	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 298
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 773
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 314
1980	399 337	84 110	101 196	27 401	46 448	10 673	60 577
1981	404 209	76 826	92 755	28 385	47 564	10 837	61 307
1982	379 778	76 199	87 341	25 401	45 022	10 219	58 584
1983	420 764	91 587	104 726	31 435	48 091	10 697	63 094
1984	435 232	100 448	114 837	33 127	51 226	11 912	68 575
1985	429 702	102 556	116 876	34 916	49 629	12 324	67 835
1986	466 943	110 405	126 594	37 354	52 020	12 543	71 088
1987	504 916	116 201	133 455	36 803	54 068	13 135	74 774
C. World							
1961	2 053 569	262 913	344 211	26 335	61 607	14 477	77 465
1965	2 226 025	292 152	382 128	42 080	77 756	16 918	97 206
1970	2 460 085	311 627	413 503	69 839	101 646	21 408	125 897
1975	2 578 062	303 848	404 326	84 381	101 742	20 874	130 404
1980	2 932 023	330 938	448 366	100 450	125 230	25 686	168 794
1981	2 939 431	313 227	428 032	100 253	124 470	26 492	169 571
1982	2 930 489	309 468	420 993	96 258	119 233	25 628	167 198
1983	3 045 382	324 398	438 051	104 916	127 648	26 146	175 877
1984	3 135 991	340 856	457 598	108 039	135 398	28 117	189 192
1985	3 165 675	346 259	464 579	111 486	135 403	28 643	191 581
1986	3 264 429	361 495	481 355	118 062	140 418	29 587	201 304
1987	3 359 494	374 370	499 191	122 962	146 126	31 172	212 060

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 11. PRODUCTION OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties			Panel products	Wood pulp	Paper and paperboard	
	Roundwood	Softwood lumber	Total			News- print	Total
	-----	1 000 m <sup>3</sup>	-----		-----	1 000 t	-----
A. Canada							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 067
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 719	39 675	4 711	19 275	8 946	13 835
1982	129 673	36 078	37 168	4 134	17 007	8 117	12 408
1983	156 965	41 157	42 070	5 324	19 221	8 486	13 353
1984	165 622	48 582	49 869	5 474	20 451	9 014	14 222
1985	170 239	53 443	54 586	6 058	20 250	8 991	14 448
1986	177 144	54 163	55 057	5 928	21 512	9 289	15 259
1987	191 224	61 011	61 961	6 776	22 645	9 673	16 057
B. United States							
1961	289 770	61 088	75 161	10 832	22 759	1 863	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 868
1970	327 945	64 971	81 854	23 026	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	418 453	66 588	84 112	26 224	46 187	4 238	56 839
1981	419 016	59 969	76 310	27 300	47 200	4 753	57 667
1982	396 896	58 830	70 307	24 204	44 786	4 574	54 899
1983	437 762	68 208	81 290	29 518	47 660	4 687	58 804
1984	452 215	73 508	88 375	30 904	50 398	5 029	62 366
1985	448 488	72 367	86 800	32 197	49 061	4 923	60 959
1986	484 511	81 951	98 575	34 908	51 927	5 108	64 444
1987	524 282	88 320	106 160	33 991	54 058	5 300	67 532
C. World							
1961	2 050 551	263 251	344 219	26 281	61 531	14 362	77 493
1965	2 220 785	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 460 878	312 099	414 553	69 560	101 936	21 492	126 481
1975	2 580 070	304 703	405 060	84 436	102 103	20 442	130 472
1980	2 928 000	333 565	450 850	101 116	125 810	25 415	170 234
1981	2 932 493	315 548	430 004	100 375	125 158	26 510	170 911
1982	2 926 877	311 465	422 836	96 235	119 554	24 966	167 252
1983	3 037 942	327 270	441 452	105 454	128 194	26 003	177 161
1984	3 128 026	343 111	460 233	108 446	135 599	27 795	189 926
1985	3 158 278	347 182	465 114	111 805	135 529	28 261	192 578
1986	3 254 392	361 447	481 607	118 069	140 559	29 330	201 897
1987	3 352 447	377 272	502 203	121 995	145 732	30 672	212 837

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 12. EXPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties					Paper and paperboard	
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total
	----- 1 000 m <sup>3</sup> -----				----- 1 000 t -----		
A. Canada							
1961	3 781	11 832	12 168	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 405	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 750	38 664	39 004	1 819	7 024	8 275	10 157
1986	5 068	37 826	38 192	1 587	7 622	8 591	10 763
1987	6 181	41 381	41 862	1 585	8 241	8 772	11 338
B. United States							
1961	2 662	1 450	1 797	43	1 068	165	946
1965	5 798	1 969	2 304	86	1 272	76	1 490
1970	16 391	2 720	3 035	304	2 808	130	2 421
1975	18 198	3 248	4 073	1 025	2 391	150	2 569
1980	22 362	4 647	5 834	968	3 392	159	4 120
1981	17 849	4 477	5 618	1 315	3 322	245	3 576
1982	19 759	3 818	4 694	917	3 060	279	3 288
1983	20 269	4 332	5 522	1 135	3 275	268	3 577
1984	19 935	3 748	5 016	1 048	3 215	278	3 488
1985	21 368	3 555	4 534	936	3 415	285	3 215
1986	20 410	4 406	5 662	1 361	4 013	356	3 913
1987	22 566	5 781	7 571	1 708	4 397	308	4 112
C. World							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 489
1970	96 398	49 348	57 424	9 728	16 921	10 641	23 387
1975	100 943	43 250	52 410	12 436	15 078	9 369	23 074
1980	116 957	65 938	79 625	16 323	21 188	12 321	35 041
1981	100 190	60 646	72 534	16 759	20 197	12 922	35 364
1982	98 980	61 439	73 094	15 443	18 533	11 508	33 667
1983	100 957	70 576	83 780	17 389	21 080	12 143	36 812
1984	103 249	72 755	86 112	18 223	21 529	13 127	39 902
1985	106 264	73 473	85 981	19 101	21 774	13 806	40 906
1986	106 846	73 653	87 122	20 539	23 287	14 162	43 554
1987	117 433	78 782	94 919	23 025	24 520	14 537	47 027

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 13. EXPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
A. Canada								
1961	39	343	366	35	332	730	764	1 535
1965	50	458	490	70	459	809	866	1 935
1970	71	614	650	77	753	1 065	1 192	2 743
1975	58	933	961	94	1 789	1 714	1 980	4 881
1980	172	2 793	2 884	274	3 311	3 143	3 883	10 523
1981	162	2 471	2 553	255	3 186	3 608	4 272	10 428
1982	175	2 311	2 378	251	2 622	3 309	3 975	9 401
1983	222	3 169	3 238	301	2 481	3 250	3 998	10 240
1984	268	3 232	3 306	349	3 019	3 695	4 577	11 519
1985	207	3 316	3 381	355	2 484	3 958	4 794	11 221
1986	268	3 505	3 584	328	2 932	4 079	5 029	12 140
1987	342	4 344	4 449	363	4 128	4 547	5 814	15 095
B. United States								
1961	55	62	84	10	159	23	212	521
1965	127	94	120	23	190	11	317	777
1970	407	162	194	42	464	19	515	1 621
1975	871	342	413	222	897	52	1 101	3 504
1980	2 007	778	1 054	284	1 629	86	2 017	6 990
1981	1 585	653	926	349	1 656	140	2 013	6 528
1982	1 528	576	805	251	1 408	143	1 714	5 706
1983	1 372	596	898	311	1 351	127	1 719	5 651
1984	1 374	530	835	236	1 483	114	1 813	5 742
1985	1 451	493	754	228	1 343	131	1 559	5 335
1986	1 420	640	987	330	1 650	195	1 899	6 286
1987	1 851	851	1 349	442	2 309	210	2 219	8 170
C. World								
1961	669	1 344	1 608	407	1 205	1 001	2 088	5 977
1965	926	1 701	2 045	686	1 598	1 125	2 689	7 944
1970	1 897	2 108	2 688	1 146	2 498	1 493	4 336	12 565
1975	3 726	3 839	4 975	2 273	5 344	2 729	9 492	25 811
1980	8 763	9 087	12 344	5 161	9 543	5 293	20 047	55 858
1981	6 647	7 681	10 260	4 922	9 279	5 868	20 044	51 152
1982	6 279	7 007	9 402	4 327	7 773	5 282	18 732	46 512
1983	5 891	8 044	10 837	4 653	7 698	5 062	18 525	47 604
1984	5 403	7 984	10 611	4 514	9 065	5 582	20 721	50 313
1985	5 479	7 716	10 117	4 505	7 835	6 040	21 605	49 542
1986	5 870	8 642	11 630	5 438	9 151	6 614	25 859	57 947
1987	7 332	10 096	13 982	7 129	12 204	7 619	32 462	73 109

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



**IX - 14. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP  
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News- print	Total	
U.S.\$000 000								
A. Canada								
1961	14	15	31	14	8	-	42	108
1965	27	17	36	20	12	-	51	146
1970	30	21	39	36	8	-	48	161
1975	63	70	127	143	28	-	247	607
1980	82	92	251	76	64	-	224	697
1981	84	108	255	129	67	-	321	855
1982	80	58	157	54	68	-	273	632
1983	102	99	240	95	66	-	338	841
1984	128	84	246	99	94	-	438	1 005
1985	136	82	230	100	91	-	424	980
1986	166	103	280	135	90	-	471	1 141
1987	155	105	344	157	106	-	550	1 313
B. United States								
1961	39	274	315	108	303	687	718	1 483
1965	35	318	375	192	398	790	833	1 834
1970	46	424	487	265	480	930	1 022	2 300
1975	52	834	920	334	1 037	1 457	1 614	3 957
1980	94	1 767	1 915	586	1 673	2 638	3 314	7 582
1981	97	1 699	1 851	660	1 753	2 825	3 347	7 709
1982	91	1 569	1 671	504	1 485	3 749	4 338	8 089
1983	114	2 646	2 800	853	1 485	2 817	3 734	8 987
1984	96	2 557	2 723	766	1 845	3 370	5 067	10 496
1985	80	2 772	2 942	791	1 517	3 720	5 427	10 756
1986	60	2 841	2 997	852	1 581	3 682	5 621	11 111
1987	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	6 758
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	9 062
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	14 144
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	28 827
1980	12 438	10 181	13 969	5 237	9 777	5 758	20 846	62 269
1981	8 998	8 271	11 399	5 131	9 607	6 163	21 007	56 143
1982	8 534	8 082	11 035	4 577	8 452	6 935	21 644	54 242
1983	8 016	8 702	11 749	4 736	8 076	5 563	20 081	55 658
1984	7 975	8 480	11 517	4 648	9 348	6 071	22 314	55 802
1985	7 572	8 308	11 231	4 610	8 430	6 543	23 408	55 251
1986	8 215	9 564	12 763	5 507	9 548	7 069	28 211	64 245
1987	10 572	11 229	15 739	7 226	12 736	8 066	33 816	80 090

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.



# SECTION X

## USER'S GUIDE

- Definitions of terms
- Trade area groupings
- Reference notes

## X. USER'S GUIDE

### A . Definitions of terms

**Age class:** Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

**Balance of trade:** The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

**Cansim (Canadian Socio-Economic Information Management System):** A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

**Clear-cut:** An area of forest land from which all merchantable trees have recently been harvested.

**Constant dollar:** Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

**Consumer price index:** Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

**Domestic exports:** Include both goods that are wholly produced in Canada and goods previously included in import statistics and which have been changed in form by further processing and then exported.

**Employment, census of manufactures:** Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials). Administrative office and other non-manufacturing employees include all functions at head offices, sale offices and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

**Employment, labour force survey:** Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

**Establishment:** The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

**Even-aged:** Of a forest, stand or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

**Exports:** Sum of domestic exports and re-exports.

**Forest biomass:** It is the mass of the above-ground portion of live trees; it is expressed as oven-dry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

**Forest land:** Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clear-cut lands; northern lands that are forested but not intended for any use; and plantations.

**Fuel and electricity (cost of):** Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

**Gross merchantable volume of wood:** Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

**Growing stock:** The sum (by number, basal area, or volume) of trees in a forest or a specified part of it.

**Hardwood(s):** Trees belonging to the botanical group Angiospermae with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

**Immature:** In even-aged management, those trees or stands that have grown past the regeneration stage, but are not sufficiently developed to be harvestable (except for thinning operations).

**Implicit price index:** The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

**Imports:** Goods and services that are consumed in one country, Canada, for example, but produced in other countries. It includes all goods that are cleared by customs on arrival in Canada, together with goods that are held in customs warehouses. The following commodity movements are excluded from import statistics: settlers' effects; private donations and gifts; goods imported by foreign representatives in Canada or brought back by Canadians returning from postings abroad; and temporary imports for exhibition or competition, including films. Bunker supplies and ships' stores purchased by Canadian vessels or aircraft abroad, temporary imports, and goods merely in transit through Canadian territory are not reflected in any of the statistics.

**Indirect taxes:** Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditures.

**Inventory (forest):** A survey of a forest area to determine such data as area condition, timber, volume and species, for specific purposes such as planning, purchase, evaluation, management or harvesting.

**Lumber:** The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

**Materials and supplies (cost of):** Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

**Mature:** In even-aged management, those trees or stands that are sufficiently developed to be harvestable (includes overmature trees and stands if an overmature class has not been recognized).

**Mechanical wood pulp:** The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

**Nonreserved (land):** Forest land that, by law or policy, is available for the harvesting of forest crops.

**Overmature:** Trees or stands of trees past the mature stage. Openings in canopy as a result of mortality are becoming apparent.

**Paper:** Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

**Paperboard:** A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

**Particleboard:** A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

**Plywood:** A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

**Production:** The use of raw materials to create producer and consumer goods through various refining, processing, and manufacturing activities.

**Production and related workers:** See Employment, census of manufactures.

**Productive (land):** Forest land that is capable of producing a merchantable stand within a reasonable length of time.

**Re-exports:** Include only goods previously included in import statistics and which are exported from Canada in the same form as when imported. Minor operations such as sorting or blending are not considered as changing the condition of imported goods.

**Reforestation:** The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease kill the timber. Reforestation is accomplished through a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees." (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.

**Regeneration:** The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

**Reserved (land):** Forest land that, by law or policy, is not available for the harvesting of forest crops.

**Roundwood:** Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings and other products still "in the round."



**Salaries and wages:** These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severance pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

**Sash:** A frame structure, normally glazed (e.g., a window), that is hung or fixed in a frame set in an opening.

**Seedling:** A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

**Selling price index:** An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

**Semichemical pulp:** Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

**Shakes:** In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

**Shingles:** Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

**Silviculture:** The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

**Softwood(s):** Cone-bearing trees with needle - or scale - like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.

**Stocked forest land:** Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

**Subsidies:** Direct or indirect payments or other assistance to someone to produce goods or services - to benefit the consumer from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

**Sulphate (kraft) pulp:** A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

**Sulphite pulp:** A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

**Uneven-aged:** Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

**Unproductive:** Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within a forest land area.

**Value added, manufacturing activity:** Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

**Valued added, total activity:** Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

**Value of shipments of goods of own manufacture:** Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

**Veneer:** A thin layer or sheet of wood.

**Waferboard:** A type of particle board composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

**Working owners and partners:** Include only those active in unincorporated businesses.



## B. Trade area groupings

This is a selection of trade area groupings used in this publication.

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

**Central America<sup>a</sup>:** Bahamas, Bermuda<sup>b</sup>, Barbados, Belize, Commonwealth of Dominica<sup>c</sup>, Costa Rica, Cuba, Dominican Republic, El Salvador, French West Indies<sup>b</sup>, Guadeloupe<sup>c</sup>, Guatemala, Haiti, Honduras, Jamaica, Leeward and Windward Islands<sup>b</sup>, Martinique, Netherlands, Antilles, Nicaragua, Panama, Puerto Rico, Trinidad and Tobago, United States Virgin Islands<sup>b</sup>.

**China, People's Republic:** China, Mongolia, and Taiwan.

**European Economic Community (EEC):** Belgium-Luxembourg, Denmark, France, Germany (Federal Republic), Greece<sup>d</sup>, Ireland, Italy, Netherlands, Portugal<sup>d</sup>, Spain<sup>d</sup>, and United Kingdom.

**Middle East - African part:** Arab Republic of Egypt, Ethiopia, Libya, Somalia, and Sudan.

**Middle East - Asian part:** Bahrain, Cyprus, Emirates (United Arab), Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman (Muscat), Qatar, Kingdom of Saudi Arabia, Syria, Turkey, Yemen South, and Yemen North.

**Other Eastern Europe<sup>a</sup>:** Albania, Bulgaria, Czechoslovakia, Germany (East), Hungary, Poland, and Romania.

**Other Western Europe:** Austria, Gibraltar, Iceland, Malta, Switzerland, and Yugoslavia<sup>a</sup>.

**South America:** Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela.

**Southeast Asia:** Indonesia, Malaysia, Philippines, Singapore, and Thailand.

<sup>a</sup>To facilitate the comparison with certain studies published by FAO, Mexico is assigned to Central America instead of North America, Yugoslavia is assigned to Western Europe instead of Eastern Europe, and USSR is shown outside Europe instead of in Eastern Europe as coded in Statistics Canada publications.

<sup>b</sup>Country names coded only in Statistics Canada publications.

<sup>c</sup>Country names coded only in FAO publications.

<sup>d</sup>Greece joined the EEC on January 1, 1981, and Portugal and Spain on January 1, 1986.

## C. Reference notes

### Shipments of roundwood in British Columbia

Beginning in 1980, the operations of "log supply divisions" in the British Columbia coastal region are treated as merchandising activity rather than logging activity. This change has been implemented to eliminate sizeable duplications in logging inputs and shipments. Involved are four establishments (in some of the earlier years there were five establishments). The "log supply divisions" are administrative units that control the distribution of roundwood and wood chips, from each firms' own logging establishments plus outside purchases and some contractor production, to their wood-using mills. Under the procedure used prior to 1980 the shipments by logging establishments to log supply establishments were duplicated by the shipments from the "log supply divisions" to the wood-using mills although in effect they were only book transfers. The revised figures for 1970-1979 eliminate this duplication.

### Discrepancies between production and shipments of roundwood figures

Several reasons can be given to explain the inconsistency between production and shipments figures:

1. Inventories fluctuations.
2. Measurement methods vary from province to province. Some firms use methods recommended by provincial governments, but these methods do not always conform to Statistics Canada requirements. Therefore, Statistics Canada must develop its own conversion factors so that it can use the data for analyses and comparisons.
3. Production data are estimates of all logging operations (we arrived at these estimates using information obtained from the provinces and from Statistics Canada), while shipments comprise only quantities declared by firms whose primary activity is logging. Shipments made by small businesses, whose operations are reported in terms of dollar values, and those made by firms to their subsidiaries as part of a vertical integration, are not taken into account. Each of these factors is responsible for lowering the figures by approximately 10 to 15%.
4. Some small businesses have such low production that they are not included in Statistics Canada surveys.





























